

## **APPENDIX A**

### **PHOTOGRAPHIC LOG OF THE TRAINER INDUSTRIES, LLC/ FORMER METRO CONTAINER CORPORATION SITE**

**Former Metro Container Corporation Site, Trainer, Pennsylvania  
Site Characterization Photograph Log – January 1989**



Photo Metro-Trainer.89-01: View to the northwest of the Metro Container Corporation office on January 23, 1989; note the stockpiled drums (far right) north of the office. By January 1989, the USEPA had installed a security fence, constructed the plywood wall to retain sludge runoff on the site, had subcontractors evaluating waste, drum, and tank removal strategies, and were in active negotiation with the five Responsible Parties (RPs).



Photo Metro-Trainer.89-02: View to the northeast of the stockpiled drums located north of Metro Container Corporation office building. The roadway in the foreground, which no longer exists, appears to have been the primary access way for drum deliveries to the site.



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Photo Metro-Trainer.89-03: View to the northeast of the Metro Container Corporation locker room and office (far right background), stockpiled drums (far left background), a discarded tank (right foreground), and a portion of the conveyor system (center) that was used to carry the drums into the drum reconditioning building (far right, not pictured).



Photo Metro-Trainer.89-04: View to the north-northeast of hundreds of stockpiled drums (far left and center background), and the conveyor system (center) at the Metro Container Corporation site. Note the black staining on the ground surface (left foreground) and the numerous drums strewn on the ground surface.

Photograph Interpretation by [REDACTED] CPG, PG; Photograph Dates: January 23, 1989

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Photo Metro-Trainer.89-05: View to the west-northwest of the conveyor system used to transport drums into the drum reclaiming building (located to the far left, not pictured). This system was installed between 1979 and 1985; it appears that the standard practice was to offload drums directly onto the conveyor system from trailers that delivered drums to the site. The current ConocoPhillips Company oil refinery is present in the far background, although at this time, the refinery was owned by the BP Oil Company. Note the numerous stockpiled drums in the background, a small sampling of the more than 60,000 drums present on-site at the time of the USEPA takeover of the site in September 1988. Of the more than 670 companies who sent drums to the Metro Container Corporation site, five companies were culled from this list as contributing the vast majority of drums; these companies were BP America, Inc., Arco Chemical Company, Mobil Corporation, Sun Refining and Marketing Company, and E.I. du Pont de Nemours & Company. A rough accounting of the numbers of drums that these five companies sent to Metro Container between the years of 1985 and 1987 totals over 360,000 drums.



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Photo Metro-Trainer.89-06: Close-up view to the northwest of Photo Metro-Trainer.89-05.



Photo Metro-Trainer.89-07: Close-up view to the west of Photo Metro-Trainer.89-05. At the height of its functional operations under Metro Container Corporation, approximately 450,000 to 500,000 drums per year, many filled with hazardous materials, paints, solvents, petroleum products, and other substances, would arrive at the facility and be stored in this general location prior to being conveyed into the drum reconditioning building.

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Photo Metro-Trainer.89-08: View to the southwest of the concrete holding tank and its secondary containment at the Metro Container Corporation site. Note the stockpiled drums (left background) and the light brown plywood wall (far right background behind the low pile of light blue drums) that was installed by a USEPA subcontractor between October-December 1988 to prevent sludge and other waste material from flowing off-site directly into Stony Creek, located just beyond the plywood wall. This concrete holding tank was 50 feet long, 20 feet wide, and 13 foot deep and was used initially as part of the wastewater aeration process, but was subsequently commissioned to hold untreated wastewater and sludges when the site operations began to fail in the 1980s. This concrete tank played a significant role in bringing the Metro Container Corporation site to the attention of regulatory agencies due to a major release event on February 18, 1986. On that day, the top portion of the tank failed and combined with several heavy rain events, waste liquids overtopped the secondary containment and flowed into Stony Creek resulting in a Coast Guard Notice of Federal Interest in a Pollution Incident Report being filed against the site. This concrete tank was an original Stauffer Chemical Company, Inc. structure, and it appears to have been used as tank storage compartment under Joseph A. Reis Company ownership of the site (1963-1969). The BP Oil Company Stony Creek Guard Basin is visible in the upper right hand corner of the photograph.



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Photo Metro-Trainer.89-09: View to the southwest of waste liquids in the secondary containment of the concrete holding tank. At this time, the concrete holding tank was estimated to have contained approximately 180,000 gallons of water and sludge; the secondary containment surrounding the concrete holding tank contained waste material, including sludge, estimated to be 25,000 gallons in volume (the sludge waste was described as originating from the petroleum and paint industries). During this time period, the waste in the concrete holding tank consisted of three layers, an oily layer of debris, a water phase, and an underlying heavy oil sludge layer. The closure of this tank and its secondary containment was accomplished in the Fall of 1989. All known piping that lead to the concrete holding tank was drained into the tank and these pipes were either plugged/capped or physically removed. The contents of the concrete holding tank were removed and treated prior to off-site disposal. The walls of the concrete holding tank were power-washed and then the tank was filled with two feet of compacted clay, a liner of 30 mil polypropylene, filled to within two feet of the top with soil, covered with two feet of compacted clay, and capped with one foot of soil and seeded with grasses. The liquids and sludges in the secondary containment area were also treated and disposed off-site and the upper one-foot of soil within the containment area was removed.

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Photo Metro-Trainer.89-10: View to the northwest of the former MW-5 monitoring well (foreground) and the concrete holding tank and secondary containment (background). One of the concrete holding tank circular sumps and one of the tank pump houses are visible in the upper right-hand corner of the photograph.



Photo Metro-Trainer.89-11: View to the south of the concrete holding tank and an associated pump house at the Metro Container Corporation site. Note the thousands of drums laying haphazardly through this section of the property, surrounding the concrete holding tank (foreground) and stacked in the southern corner of the property (background).



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Photo Metro-Trainer.89-12: View to the south of hundreds of overturned drums strewn between the concrete holding tank (note the concrete holding tank berm visible on the far right) and the drum reclaiming building (see Photo Metro-Trainer.89-13).



Photo Metro-Trainer.89-13: View to the southeast of the drum reclaiming building (left), formerly the Oven Building under Stauffer Chemical Company, Inc. ownership (1920-1959). Note the hundreds of drums dumped haphazardly through this section of the property, the liquids surrounding the drums, and the Acid Tank Farm (right background), which was used as a de facto waste impoundment by Metro Container Corporation in the late 1980s.

**Former Metro Container Corporation Site, Trainer, Pennsylvania**  
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Photo Metro-Trainer.89-14: View to the southeast of the sludge drum storage area located west of the drum reclaiming building seen in Photo Metro-Trainer.89-13. The right-hand side of this panoramic view matches up with the left-hand side of Photo Metro-Trainer.89-17. The tanks seen in the background were part of the Acid Tank Farm, which also included an alum tank, a DAF sludge tank, and a waste oil tank; the containment area surrounding these tanks was used as a de facto waste impoundment (see Photo Metro-Trainer.89-22). When site operations began to fail in 1987, primarily due to the disabling of the facility's primary wastewater treatment system and the shut-off of the facility's connection to the nearby industrial wastewater treatment plant (Delcora) because of numerous effluent quality violations, the facility owners opted to fill thousands of 55-gallon drums with sludge after both the concrete holding tank and its associated secondary containment and the secondary containment surrounding the Acid Tank Farm were filled to capacity with sludge and wastewater.



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Photo Metro-Trainer.89-15: Close-up view to the southeast of Photo Metro-Trainer.89-14. Note how many of the drum lids were not fully closed, causing sludge to spill out of the drums during precipitation events. Also visible are three acid tanks (far left background), a DAF sludge tank (black tank in center background) and the wastewater treatment plant (right background).



Photo Metro-Trainer.89-16: Close-up view to the southeast of Photo Metro-Trainer.89-14. Also visible is a waste oil tank (black tank in center background).

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Photo Metro-Trainer.89-17: View to the south of the sludge drum storage area located west of the drum reclaiming building seen in Photo Metro-Trainer.89-13. The left-hand side of this panoramic view matches up with the right-hand side of Photo Metro-Trainer.89-14. The thousands of drums visible in this photograph are located directly on top of the former disposal lagoon that was used by the predecessors-in-interest of Metro Container Corporation (the Joseph A. Reis Company and Universal Container Corporation). These companies used the lagoon to dispose of sludge waste between 1963 and 1972 until the impoundment was finally closed because of repeated violations relating to the intentional discharge of untreated waste into Stony Creek (far right, obscured by the drum piles). The flare present on the BP Oil Company Refinery (currently the ConocoPhillips Trainer Refinery) is visible in the center background.



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Photo Metro-Trainer.89-18: Close-up view to the south of Photo Metro-Trainer.89-17. Note again the unsecured drum lids that caused sludge to spill out of the drums during precipitation events.



Photo Metro-Trainer.89-19: Close-up view to the south of Photo Metro-Trainer.89-17. Note the drum piles are stacked up to 8 levels high, extending to the right of the photograph directly up to the Stony Creek embankment (far right, not shown).

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Photo Metro-Trainer.89-20: Close-up view to the west of the unsecured and damaged 55-gallon drums depicted in Photo Metro-Trainer.89-07.



Photo Metro-Trainer.89-21: Close-up view to the west of the drum piles depicted in Photo Metro-Trainer.89-07. In addition to the thousands of 55-gallon drums processed at Metro Container Corporation site, the facility also accepted 5-gallon buckets of waste, particularly paints and solvents, for disposal.



**Former Metro Container Corporation Site, Trainer, Pennsylvania**  
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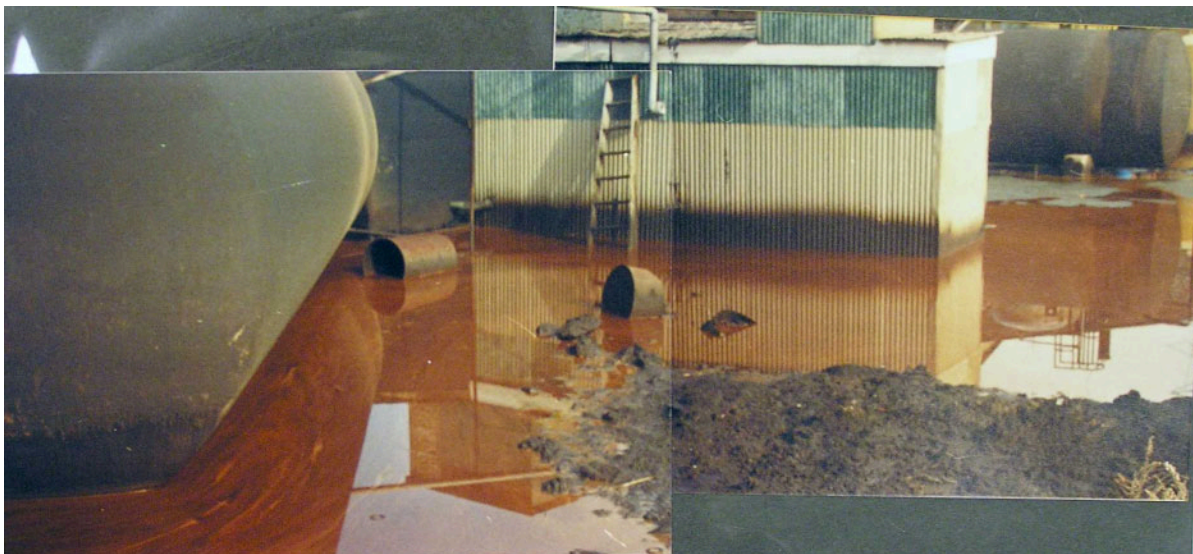


Photo Metro-Trainer.89-22: View to the northeast of the de facto waste impoundment that was originally designed as the secondary containment for the facility's waste oil tank (far left, installed between 1975 and 1979), the wastewater treatment plant (center, installed between 1972 and 1975), and DAF sludge tank (far right, installed between 1975 and 1979). Other tanks within this containment area included three acid tanks that were installed between 1975 and 1985 (far upper right, obscured by the DAF sludge tank) and an alum tank (not pictured); these tanks can be seen more clearly in Photo Metro-Trainer.89-14. When the word "lagoon" is mentioned in the historical regulatory file from this time period, it is not referring to the abandoned disposal lagoon originally constructed by Stauffer Chemical Company, Inc., but either this containment area impoundment or the concrete holding tank depicted in Photo Metro-Trainer.89-08.

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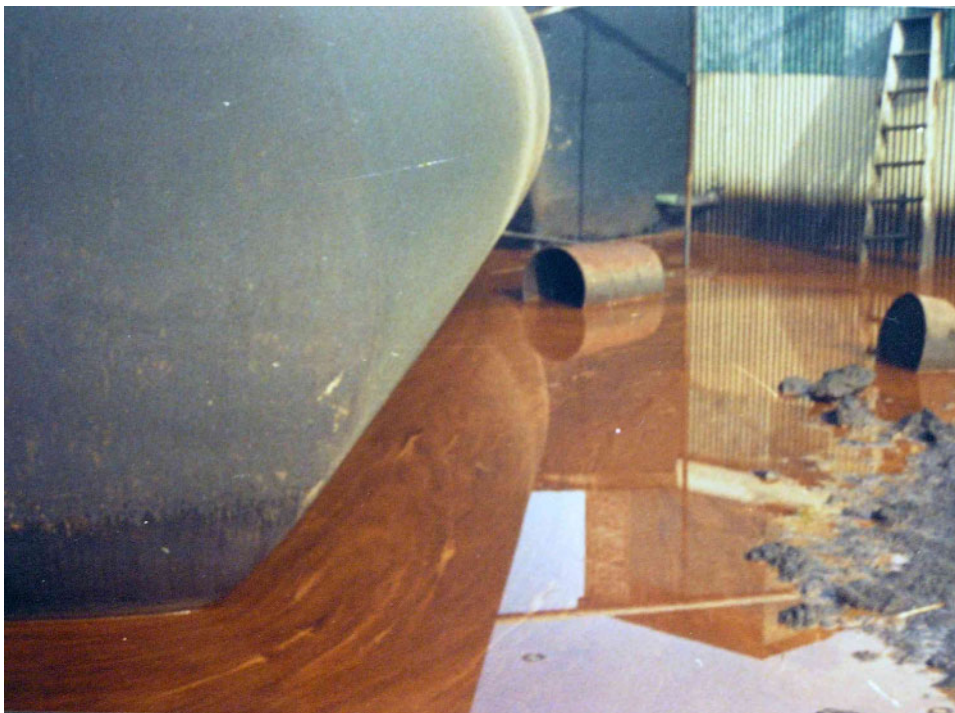


Photo Metro-Trainer.89-23: Close-up view to the northeast of Photo Metro-Trainer.89-22, showing the waste oil tank (left) and the primary wastewater treatment plant (upper right).



Photo Metro-Trainer.89-24: Close-up view to the northeast of Photo Metro-Trainer.89-22 of the wastewater treatment plant (center) and DAF sludge tank (far right). Some of the most significant impacts to the subsurface discovered in the 2005 Site Characterization were caused by the sludge waste in this unlined impoundment; note the heavy black staining indicating the high level mark on the primary wastewater treatment plant shed (center).



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Photo Metro-Trainer.89-25: Close-up view to the northeast of the berm of the secondary containment impoundment depicted in Photo Metro-Trainer.89-22; note the partially buried drum in the left foreground. Buried drums, used as fill, were discovered in the 2005 Site Characterization underlying the northwestern corner of the property.



Photo Metro-Trainer.89-26: Close-up view to the southeast of the incinerator at Metro Container Corporation site. This may have been part of the furnace treatment process (essentially thermal neutralization) that was utilized to remove the exterior paint on the drums and also to prepare unsalvageable drums and buckets for the scrap metal market.



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Photo Metro-Trainer.89-27: View to the south of the former MW-6 monitoring well, located on the perimeter of the former disposal lagoon; groundwater impacts were noted as early as 1981 in this and other monitoring wells on the property, but no action was taken to correct the source of the contamination. The security chain-link fence installed by a USEPA subcontractor in September 1988 is visible in the background.



Photo Metro-Trainer.89-28: View to the northwest of several 55-gallon drums along the bank of Stony Creek, either accidentally toppled from a drum pile or dumped there by Metro Container Corporation personnel.



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Photo Metro-Trainer.89-29: View to the north-northwest of crushed 55-gallon drums within the embankment of Stony Creek; historical documents indicate that Metro Container Corporation conducted unpermitted landfilling of concrete debris and drums throughout this area in 1985, and subsequently ignored regulatory directives to remove the material.



Photo Metro-Trainer.89-30: View of Stony Creek embankment and the characteristic red-orange staining of sediment often associated with the liquid seeps emanating from the Metro Container Corporation facility into Stony Creek.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.001: View to the northwest of the entrance to the Trainer Industries, LLC/former Metro Container Corporation site and the renovated Office Building (left) that is located on the eastern portion of the 8.16-acre parcel on the western side of Price Street. This office building was constructed by the Stauffer Chemical Company, Inc. early in their occupancy of the property between 1920-1959 and is currently occupied by the Trainer Industries, LLC staff. See Photo Metro-Trainer.89-01 for a view of this building and vicinity during Metro Container Corporation ownership. Under Stauffer Chemical Company, Inc. ownership, three large aboveground storage tanks were present in the area to the far left, but these tanks were removed when the site became a drum reconditioning facility in 1963.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.002: View to the southwest of the Trainer Industries, LLC/former Metro Container Corporation site showing all the principal extant buildings. The renovated office building and former locker room are visible to the far right (now connected by a recently constructed breezeway) and the large former drum reclaiming building occupies the left and center of the photograph. The blue protective casing of monitoring well MW-2 is visible in the foreground. The ConocoPhillips Trainer Refinery is visible in the center and right background.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.003: View to the southeast of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The concrete saddle and secondary containment basin of a former aboveground storage tank containing toluol (toluene) is visible to the far left. Although this building is largely abandoned, the current owner stores solvents, fuels, and paints in the small wing of the building in the center of the photograph (which served the same function under Metro Container Corporation ownership) and in the large brick wing of the building (far right).



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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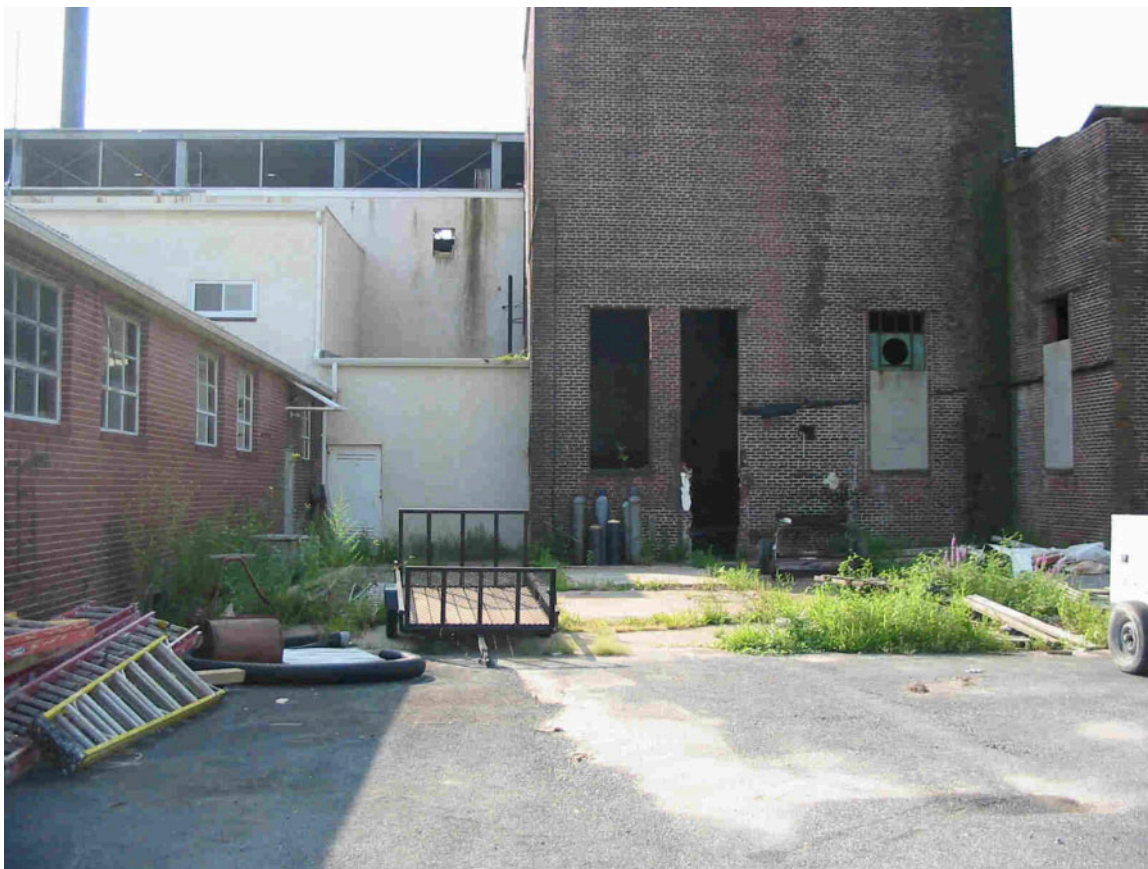


Photo Metro-Trainer.004: View to the southeast of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The current owner stores solvents, fuels, and paints in the brick wing of the building (far left). Other ancillary equipment of the current owner is stored around the property, including ladders and trailers (left), gas cylinders (center), and trash/debris (right).

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Photo Metro-Trainer.005: View to the northeast of the western facing side of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The current owner utilizes this portion of the property to sand blast piping in preparation for painting (left); the current owner also utilizes the abandoned, rusty aboveground storage tank (far right) for training employees in confined space work. See Photo Metro-Trainer.89-14 and Photo Metro-Trainer.89-17 for a view of this vicinity during Metro Container Corporation ownership. The stressed vegetation in the foreground may be due to the accumulation of paint chips and sand blast grit in the near subsurface soils, the releases of wastes and sludges from thousands of improperly stored 55-gallon drums during Metro Container Corporation ownership, and/or the poor quality of the fill material overlying the former disposal lagoon at this location. An abandoned tank foundation is present to the extreme right of the photograph in the grassy area near the rusting tank. According to historical aerial photographs, a tank was present here directly adjacent to the disposal lagoon throughout the 1960s, but was removed prior to the construction of the Metro Container Corporation primary wastewater treatment plant circa 1972 (see Photo Metro-Trainer.89-14).



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.006: View to the north of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. Although the site in general has been cleared of debris from the former drum reconditioning operations, rubble and discarded equipment (center of photograph) can still be found outside and inside the former drum reclaiming building. The vegetation visible in this photograph approximates the general location of two waste oil aboveground storage tanks and two caustic aboveground storage tanks that were present during Metro Container Corporation ownership (see Photo Metro-Trainer.89-13).

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Photo Metro-Trainer.007: View to the north of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. Several empty aboveground storage tanks were observed in the vicinity of the building, including the blue tank visible in the center of the photograph. The blue casing of damaged monitoring well MW-9 (partially obscured by the orange traffic cone) is visible in the center of the photograph. This corner of this building was the location of the incinerator that operated under Metro Container Corporation ownership (see Photo Metro-Trainer.89-26).



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.008: View to the northwest of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The accumulation of sand was particularly prevalent on this side of the building, suggesting that this was the original location of sand blasting activities by the current owner. The following two photographs (Photo Metro-Trainer.009 and Metro-Trainer.010) were taken inside the small area visible through the breach on the outer brick wall (center of the photograph). It was noted in historical regulatory documents that this wall of the building was not demolished by the cleanup activities that occurred between 1988-1990, but rather by heavy storm winds on November 11, 1989. The loss of the roof was a result of a major fire on the evening of January 29, 1987 that tore through this building after a worker accidentally dropped a torch into a paint bucket. The heat of the blaze was so intense that the metal roof of the building was destroyed. It took 100 firefighters from eight different fire companies to control the fire.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.009: View to the west of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The current owner utilizes this area for trailer and pipe storage. Historical documents indicate that this was the location where “open top” drums were reconditioned. The roof over this portion of the building was lost to fire on the evening of January 29, 1987.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.010: View to the north of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The current owner utilizes this area for timber and cinder block storage. It is not known if the corroded 55-gallon drum (left center) and the black drum covers (right, on the elevated platform) are remnants of the former drum reclaiming operations at the site.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.011: View to the west of the southeastern corner of the concrete block annex to former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. This annex was constructed under the Joseph A. Reis Company ownership of the property (1963-1969) and was utilized as a warehouse and loading dock for shipping out reconditioned 55-gallon drums. The current owner utilizes this outside area for trailer storage. The inside of this portion of the building can be seen in Photo Metro-Trainer.021.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.012: View to the south of the warehouse and loading dock annex to the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The current owner utilizes this area for pipe storage (foreground). It also appears that the current owner utilizes the inside area of this portion of the building as a sheltered location for painting operations. The inside of this portion of the building can be seen in Photo Metro-Trainer.021.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.013: View to the south of a room located inside the northwest corner of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. From appearances, this may have been the boiler room during the time of the Stauffer Chemical Company, Inc. operations (1920-1959) and subsequent drum reclaiming operations under Joseph A. Reis Company, Universal Container, and Metro Container Corporation ownership. The current owner utilizes this section of the building for equipment and drum storage.



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Photo Metro-Trainer.014: View to the west of the former boiler room located inside the northwest corner of the Trainer Industries, LLC/former drum reclaiming building at the former Metro Container Corporation site. Note the dark-colored (due to sediment fill) channels cut into the concrete floor in the foreground; it is surmised that these channels conveyed waste and other materials during the drum reclaiming operations conducted on the site between 1963-1988. The current owner utilizes this section of the building for equipment and trash storage. See Photo Metro-Trainer.041 for another view of this room during the August 2005 Site Characterization sampling.

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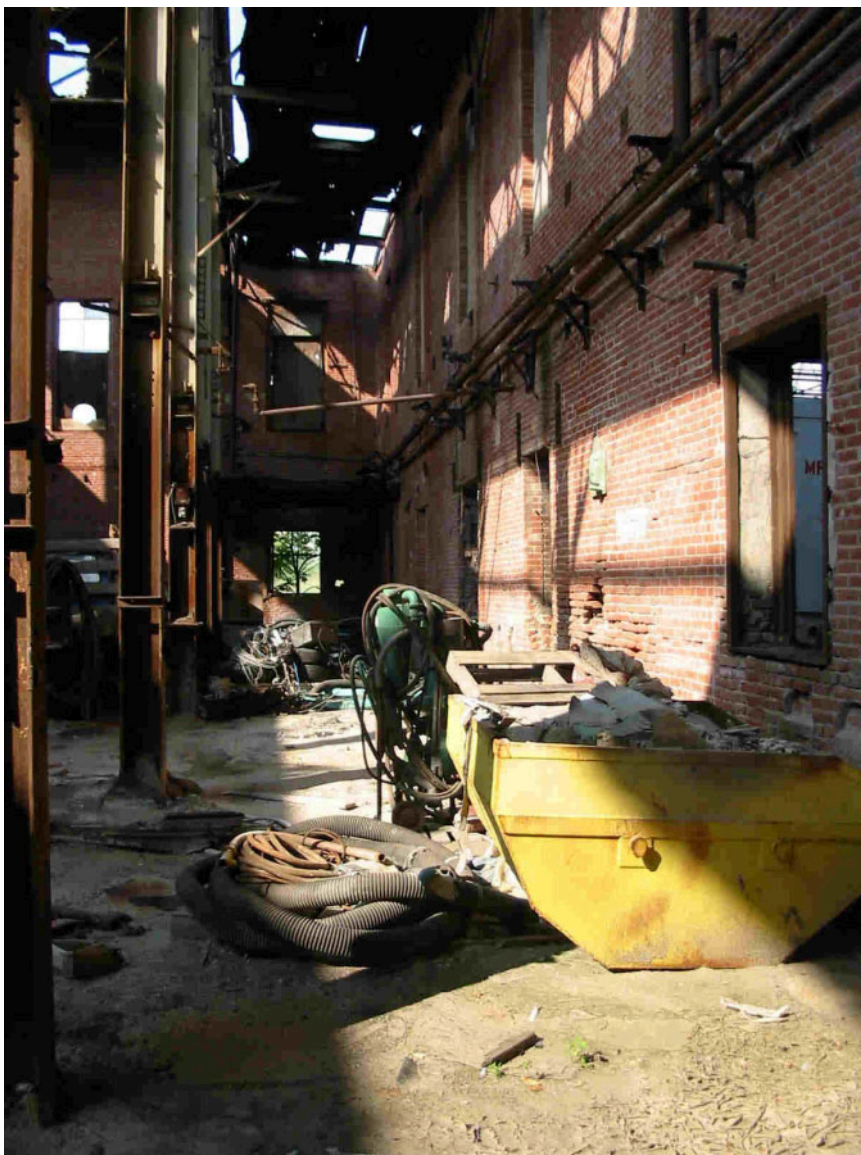


Photo Metro-Trainer.015: View to the southwest inside the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. This entire building (referred to as the “Oven Building” under Stauffer Chemical Company, Inc. ownership) is subdivided up into several subrooms, including this large former “oven room.” This room (see other views on Photos Metro-Trainer.016 and .017) runs the entire length of the original building (excluding the warehouse and loading dock annex) and was the principal locations of the former Stauffer Chemical Company, Inc. (1920-1959) chemical operations and the former Joseph A. Reis Company, Universal Container, and Metro Container Corporation “closed top” drum reconditioning (1963-1988) operations. The current owner utilizes this area for equipment storage (hoses, compressors, etc.) and trash.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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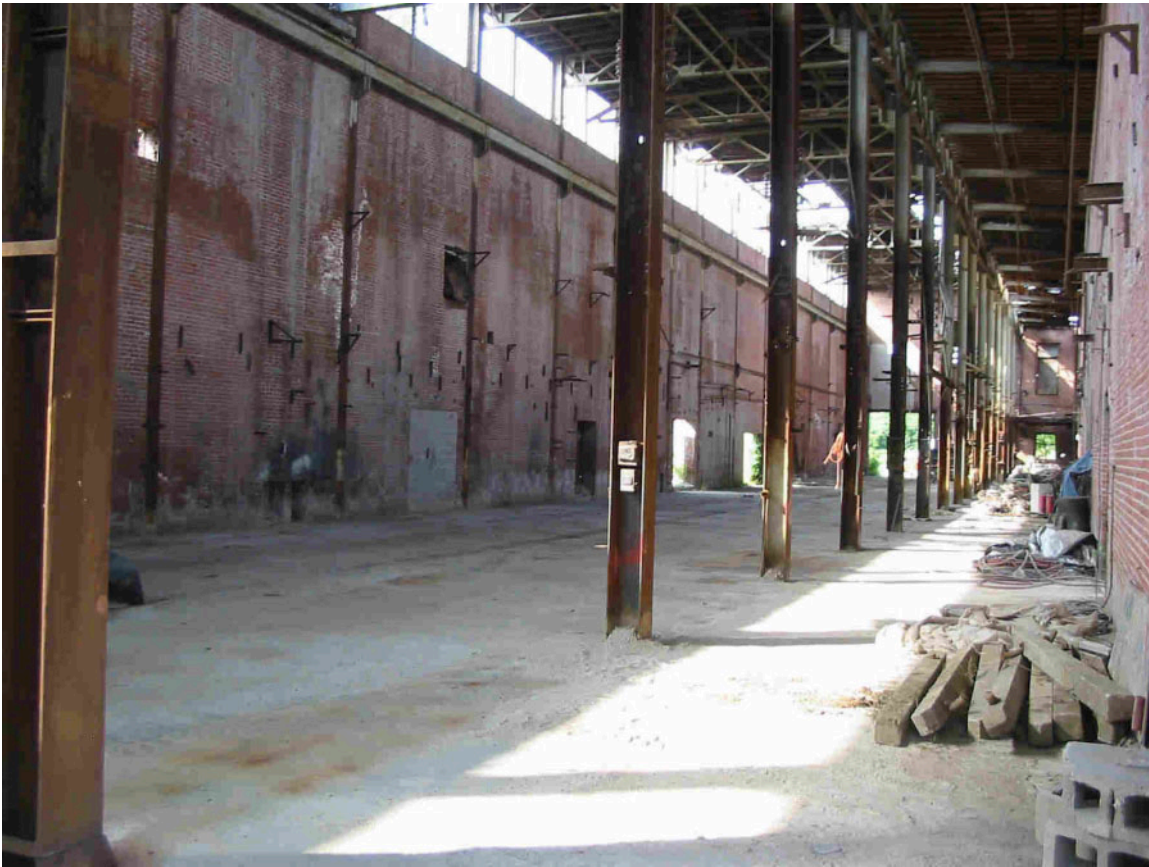


Photo Metro-Trainer.016: View to the southwest of the former “oven room” inside the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. At the height of its functional operations under Metro Container Corporation, drums filled with hazardous materials, paints, solvents, petroleum products, and other substances would be conveyed into the building via a conveyor (see Photo Metro-Trainer.89-05) where they were emptied into large tanks/vessels and pre-flushed prior to caustic being applied to the exterior of the drums to strip off the paint. The outside of the drums were then rinsed before two cycles of interior cleaning using caustic and two cycles of hot rinsing was performed. Following the caustic cleaning, two cycles of interior metal stripping was performed using HCl followed by two cycles of cold rinsing. After phosphatizing, siphoning, drying, de-denting, short blasting, and leak testing were performed, the drums were dried, repainted, baked, and moved to the warehouse before shipment to customers. Most of the tanks and vessels used in this operation were removed during the 1989 Responsible Party removal actions. The current owner utilizes this area for vehicle, air compressor, hose, timber, cinder block, and ancillary equipment storage.

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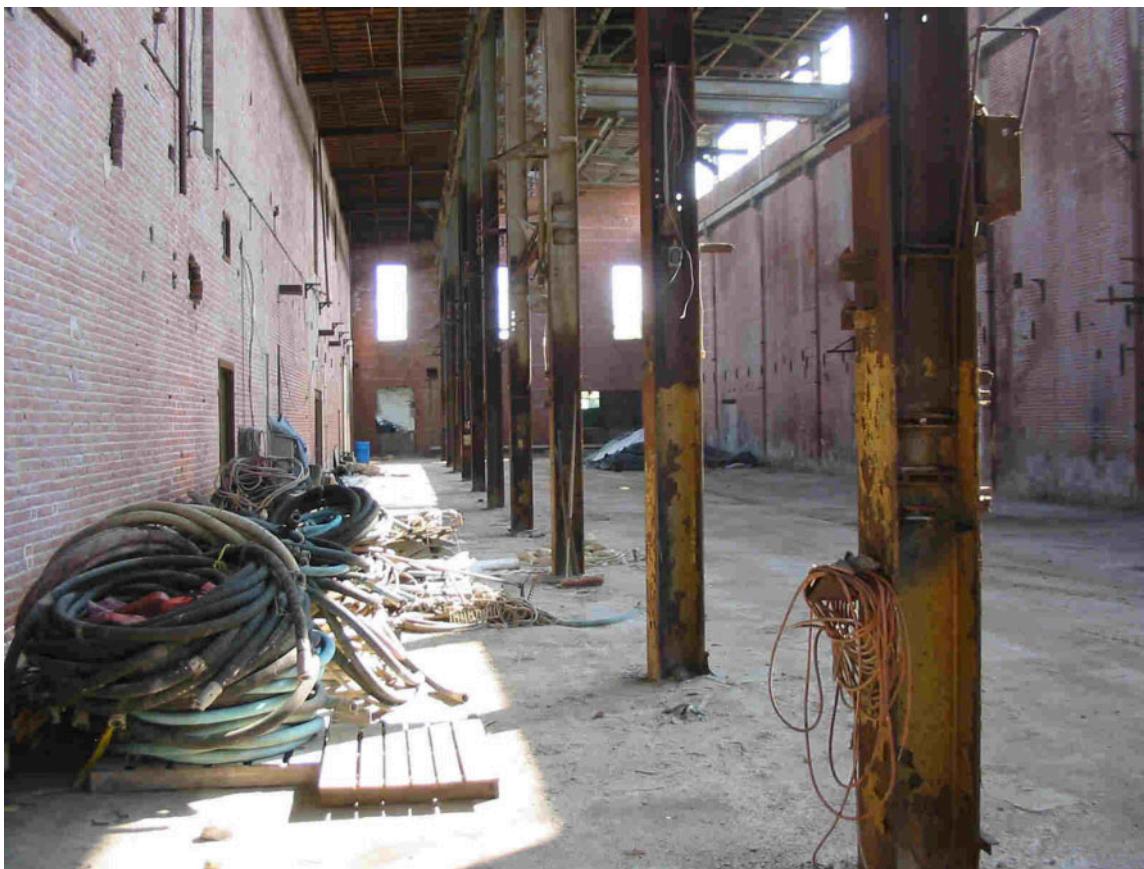


Photo Metro-Trainer.017: View to the northeast of the former “oven room” inside the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site with the warehouse and loading dock annex visible through the opening in the far center background. This room still contained some abandoned equipment related to the former drum reconditioning operations when it was observed during a reconnaissance by the author at the time of the Trainer Refinery due diligence (Nov. 1995-Feb 1996). According to regulatory files, floor drains were present in this room that were hard-piped into the stormwater drainage system that lead directly to an outfall on Stony Creek; during Metro Container Corporation’s operations in the 1980s, there were several releases to these floor drains that reached the creek (e.g., February 18, 1986). The drains were ultimately grouted to prevent further impact to surface waters. The current owner utilizes this area for vehicle, air compressor, hose, timber, cinder block, and ancillary equipment storage.



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Photo Metro-Trainer.018: View to the west of the former “oven room” inside the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The channel in the foreground was the end point for the in-building conveyance of waste from the drum reclaiming operations; from this point, it is surmised that the waste liquids were conveyed via underground pipelines (see Photos Metro-Trainer.065 and Metro-Trainer.066) through a screen box into a settling tank and then directly into the former disposal lagoon between 1963 and 1972. Sometime after 1972, the effluent was rerouted to the primary wastewater treatment plant and then to the former concrete holding tank located to the west of this building (perhaps through the pipes depicted in Photo Metro-Trainer.063). The current owner utilizes this area for vehicle, air compressor, hose, timber, block, and ancillary equipment storage.

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Photo Metro-Trainer.019: View to the northeast of the former “oven room” inside the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. According to historical regulatory files, approximately 80% of the drums received at the facility contained a petroleum product; the other 20% contained chemicals and other products. The drums containing these two classes of residual waste were dumped into two separate tanks inside this room. On February 18, 1986, the non-petroleum tank was so full that after dumping the contents of additional drums into it, the tank overflowed onto the floor and into a floor drain/channel system (far left) that was also connected to stormwater piping that lead directly to Stony Creek. The current owner utilizes this area for vehicle, air compressor, hose, timber, block, and ancillary equipment storage. The general condition of the fire-damaged roof is well represented in this photograph.



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Photo Metro-Trainer.020: View to the south inside the southwest corner of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. This room was referenced as containing “Storage of Raw Stock” during the Stauffer Chemical Company, Inc. ownership (1920-1959). This room may have been subsequently utilized for spray painting the reclaimed 55-gallon drums during Joseph A. Reis Company, Universal Container, and Metro Container Corporation operations. Historical documentation also indicates that this room was the location of two used caustic aboveground storage tanks. Attempts to drill through the floor of this room during the August 2005 Site Characterization investigation were unsuccessful; it is not known if this is the room where rusting 55-gallon drums containing hazardous substances were buried and then covered with a concrete floor to conceal them, information that came to light in the 1991-1992 trial of the Metro Container Corporation’s CEO, President, and Maintenance Supervisor. The current owner utilizes this area for trash storage.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania  
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Photo Metro-Trainer.021: View to the north inside the southeast corner of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. This addition was constructed under the Joseph A. Reiss Company ownership of the property (1963-1969) and was utilized as a warehouse and loading dock for shipping out reconditioned 55-gallon drums. This may also be the room where rusting 55-gallon drums containing hazardous substances were buried and then covered with a concrete floor to conceal them. It appears that the current owner utilizes this portion of the building as a sheltered location for painting operations. The outside of this former warehouse and loading dock can be seen in Photos Metro-Trainer.011 and Metro-Trainer.012.



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Photo Metro-Trainer.022: View to the southeast inside the brick building wing on the northern side of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The current owner utilizes this building for the storage of numerous chemicals and paints in support of their painting operations.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.023: View to the east inside the brick building wing on the northern side of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The current owner uses this building for the storage of numerous chemicals and paints in support of their painting operations; the blue 55-gallon drum (left) was labeled as "Kerosene".



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Photo Metro-Trainer.024: View to the south inside the smaller building wing on the northern side of the former drum reclaiming building (see Photo Metro-Trainer.003) at the Trainer Industries, LLC/former Metro Container Corporation site. The current owner also uses this room for the storage of numerous chemicals and paints in support of their painting operations; this room served that same function under Metro Container Corporation ownership.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.025: View to the southwest of the northern portion of the 8.16-acre parcel at the Trainer Industries, LLC/former Metro Container Corporation site. This area was used to store thousands of 55-gallon drums, many of them still filled with sludge, during the operations of the former drum reconditioning operations conducted by the Joseph A. Reis Company (1963-1968), Universal Container Corporation (1968-1983), and Metro Container Corporation (1983-1988); see Photo Metro-Trainer.89-04 and Photo Metro-Trainer.89-05 for a view of this area in January 1989. As depicted on Photos Metro-Trainer.89-05 through Metro-Trainer.89-07, a conveyor system (now dismantled) was present in this location; this system was used to transport drums from this storage yard into the former drum reclaiming building (far left, not pictured). The ConocoPhillips Trainer Refinery is visible in the background, including the refinery main flare (far left).



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.026: View to the northwest of the northern portion of the 8.16-acre parcel at the Trainer Industries, LLC/former Metro Container Corporation site. This area was the site of the former lagoon that was constructed between 1953 and 1959, late in the ownership tenure of the Stauffer Chemical Company, Inc., presumably for the disposal of wastewater and off-spec products. Estimates of the original size of the disposal lagoon vary, but in regulatory historical documents, the lagoon is often estimated to be 0.5 acres in size. In the March 16, 1959, April 22, 1965, and April 8, 1970 aerial photographs, the lagoon appears to be roughly square in size with its western end being only a few feet away from Stony Creek. The earliest recorded violation issued against drum reconditioning operations at this site was related to the lagoon; on June 1, 1965, a telegram was sent to the Joseph A. Reis Company ordering them to cease discharging untreated waste directly into Stony Creek. On April 3, 1969, the Pennsylvania Department of Health (PADH) noted that Universal Container, only two months after they took ownership of the site, cut a trench into the lagoon allowing liquid waste to flow directly into Stony Creek. It is surmised that until 1972, the disposal lagoon was used for disposal of the drum contents under Joseph A. Reis Company (1963-1968) and Universal Container Corporation (1968-1983) ownership. This area was subsequently used by Metro Container Corporation for the improper storage of thousands of leaking, uncovered 55-gallon drums that contained sludges and other waste products (see Photo Metro-Trainer.89-17). The blue protective casing of monitoring well MW-6 is visible in the foreground.

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Photo Metro-Trainer.027: View to the northeast of the western portion of the 8.16-acre parcel at the Trainer Industries, LLC/former Metro Container Corporation site. The former drum reclaiming building is visible in the background. This area was the general location of the former disposal lagoon. When the partially filled lagoon was observed in 1982, it was approximately 5,000 square feet (or 0.12 acres) in size. This area was subsequently used by Metro Container Corporation for the improper storage of thousands of leaking, uncovered 55-gallon drums that contained sludges and other waste products (see Photo Metro-Trainer.89-14); additionally, the area to the far right background (near the rusted storage tank) was the location of a de facto sludge and waste impoundment that was originally designed as the secondary containment for the facility's waste oil tank, wastewater treatment plant, DAF sludge tank, three acid tanks and an alum tank (see Photo Metro-Trainer.89-14 and Photo Metro-Trainer.89-22).



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Photo Metro-Trainer.028: View to the west of the western portion of the 8.16-acre parcel at the Trainer Industries, LLC/former Metro Container Corporation site. The trees in the center of the photograph mark the location of a former concrete holding tank, which was an original Stauffer Chemical Company, Inc. structure; in an April 22, 1965 and April 8, 1970 aerial photographs, this structure appears to have been used as tank storage compartment. Subsequently, this 50-foot long, 20-foot wide, and 13-foot deep structure was used initially as part of the wastewater treatment aeration process when the primary wastewater treatment operations began in circa 1972, but was later commissioned to hold untreated wastewater and sludges when the site operations began to fail (see Photo Metro-Trainer.89-08 and Photo Metro-Trainer.89-11). Stony Creek is located just beyond the row of trees; seeps of contaminated groundwater emanating from the site had been noted in Stony Creek during the time of active operations under Metro Container Corporation ownership and during the 1995-1996 Tosco/ConocoPhillips due diligence of the adjacent refinery. The blue protective casing of monitoring well MW-5 is visible in the center of the photograph. On the opposite side of this former holding tank is monitoring well MW-8. Process units on the ConocoPhillips Trainer Refinery are visible in the background.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.029: View to the south of the elevated ground surface covering the former concrete holding tank at the Trainer Industries, LLC/former Metro Container Corporation site (see Photo Metro-Trainer.89-08 and Photo Metro-Trainer.89-11). The partial collapse of the aboveground portion of this holding tank and the subsequent release of waste into Stony Creek on February 18, 1986 triggered the regulatory intervention that ultimately lead to the closing of the drum reconditioning operations in 1988 and the extensive drum removal actions that followed in 1989. The flare pictured in the background is associated with the ConocoPhillips Trainer Refinery.



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Photo Metro-Trainer.030: View to the northwest of the western portion of the 8.16-acre parcel at the Trainer Industries, LLC/former Metro Container Corporation site. This area was used for the storage of thousands of 55-gallon drums and 5-gallon buckets (see Photos Metro-Trainer.89-05, Metro-Trainer.89-20, and Metro-Trainer.89-21) during the operations of the former drum reconditioning operations conducted by the Joseph A. Reis Company (1963-1968), Universal Container Corporation (1968-1983), and Metro Container Corporation (1983-1988). A partially buried crushed drum was observed in this area during the August 2004 site reconnaissance. The area visible to the far right background was the location of the EM-61 geophysical results that indicated intense magnetic field readings indicative of buried 55-gallon drums or other metallic objects. Subsequent test trenching in September 2005 encountered crushed drums and drum lids between 3 to 5 feet below ground surface (see Photos Metro-Trainer.051 through Metro-Trainer.058).

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Photo Metro-Trainer.031: View to the south of the western portion of the site (west of the former drum reclaiming building) at the Trainer Industries, LLC/former Metro Container Corporation site. The current owner utilizes this portion of the property to sand blast piping in preparation for painting (center). See Photo Metro-Trainer.89-17 for a view of this area when it was used for the improper storage of thousands of leaking and unsecured 55-gallon drums under Metro Container Corporation ownership.



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Photo Metro-Trainer.032: View to the north of the 2.25-acre parcel at the Trainer Industries, LLC/former Metro Container Corporation site, located northeast of the office (Photo Metro-Trainer.001). This area was used to storage thousands of 55-gallon drums during the operations of the former drum reconditioning operations conducted by the Joseph A. Reis Company (1963-1968), Universal Container Corporation (1968-1983), and Metro Container Corporation (1983-1988). This area was covered with gravel just prior to this photograph being taken in preparation of its use as a parking lot and equipment laydown area. The Responsible Parties (BP America, Inc., Arco Chemical Company, Mobil Corporation, Sun Refining and Marketing Company, and E.I. du Pont de Nemours & Company) that were required to perform the removal action at the site in 1989 mistakenly referred to this parcel as the AMF parcel, when in fact it was always part of the Metro Container Corporation facility.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.033: View to the southeast of the green PVC discharge pipe into Stony Creek at the Trainer Industries, LLC/former Metro Container Corporation site. This pipe is often mentioned in historical regulatory documents as the source of numerous releases to the environment under Metro Container Corporation ownership. On February 12, 1988, the U.S. Coast Guard traced a hydrocarbon release observed in the Delaware River back to the Metro Container Corporation facility, where an oily substance was running off the facility and liquid was observed discharging from this pipe.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.034: View to the east of the green PVC discharge pipe into Stony Creek at the Trainer Industries, LLC/former Metro Container Corporation site. When challenged by regulatory agencies regarding the source of the liquids often observed discharging from this pipe, Metro Container Corporation management claimed that it was only a permitted stormwater outfall. However, a discharge to Stony Creek on February 18, 1986 from this outfall revealed that floor drains in the main drum reclaiming building were directly connected to the stormwater drainage system.

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Photo Metro-Trainer.035: Close-up view to the east of a seep underlying the green PVC discharge pipe into Stony Creek at the Trainer Industries, LLC/former Metro Container Corporation site. This same seep was noted on February 19, 1988 by USEPA; it was stated at that time that this discharge point was emitting a red-orange material and creating sheens on surface water when disturbed. Analytical results at that time indicated high concentrations of lead, chromium, and zinc along with phenols. Another site reconnaissance on August 23, 1990 by USEPA subcontractors again noted this orange seep discharging below this drainage pipe. During the 2005 Site Characterization work, sediment sample 05-METS-05 was collected at this location. These types of seeps were consistently noted along the embankment of Stony Creek during Metro Container Corporation ownership (see Photo Metro-Trainer.89-30).



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Photo Metro-Trainer.036: View to the north of a second surface water outfall to Stony Creek at the Trainer Industries, LLC/former Metro Container Corporation site. Historical regulatory documents are unclear about whether this second outfall was recognized as a Metro Container Corporation outfall and whether it was a source of contaminant discharge. This outfall has a more consistent and steady discharge of liquid than the flow observed from the green PVC pipe.

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Photo Metro-Trainer.037: Close-up view to the north of the second surface water outfall to Stony Creek at the Trainer Industries, LLC/former Metro Container Corporation site depicted in Photo Metro-Trainer.036. The corrugated HDPE pipe observed at this outfall is very similar in appearance to pipes observed leading away from the on-site catch basins, suggesting that this outfall is actually the stormwater discharge point for the site. During their last visit to the site on March 31, 2000, the USEPA stated that because there had been no reconfiguration of the stormwater collection/discharge system, it was very probable that contamination was still being discharged off-site by stormwater runoff. During the 2005 Site Characterization work, sediment sample 05-METS-06 was collected at this location.



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Photo Metro-Trainer.038: View to the east of abandoned piping at the Trainer Industries, LLC/former Metro Container Corporation site. It is surmised that this piping was part of the USEPA containment action implemented in October 1988 that consisted of a 300-foot long retaining plywood wall (see Photo Metro-Trainer.89-08) that was erected to serve as physical barrier to overland material migration to Stony Creek in the event of a catastrophic release from the concrete holding tank (upper center of the photograph). Because this plywood wall began to buckle about a month after it was installed, resulting in an increasing volume of seepage at the base of the wall, during December 1988, the wall was reconstructed and an underflow piping system (two 6-inch diameter valved pipes) were installed at the base of the wall to allow accumulated rainwater to be drained into Stony Creek. By appearances, this pipe fits the description of the type of underflow piping that was used by the USEPA subcontractor to relieve hydraulic pressure behind the plywood wall.

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Photo Metro-Trainer.039: View to the east of the former “oven room” inside the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. Since the time of the initial site inspection in August 2004, the current owner began to utilize this portion of the building for the storage of unused paint and other unknown waste substances. Sample location 05-MET-66 was moved to this location to ascertain whether this storage caused any adverse impacts. The Metro Container Corporation warehouse and loading dock annex (see Photo Metro-Trainer.021) is visible through the opening in the upper left-hand corner of the photograph.



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Photo Metro-Trainer.040: View to the northeast of the same area depicted in Photo Metro-Trainer.009, the location of the “open top” drum reclaiming operations, within the confines of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The presence of vegetation in the waste conveyance channels makes the trend of this former drainage system very evident. The orange stake in the foreground marks the location of the 05-MET-68 soil boring location.

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Photo Metro-Trainer.041: View to the west of the same former boiler room depicted in Photo Metro-Trainer.014 within the confines of the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The orange stake in the foreground marks the location of the 05-MET-58 soil boring location at the intersection of several floor channels that conveyed waste and other materials during the drum reclaiming operations conducted on the site between 1963-1988.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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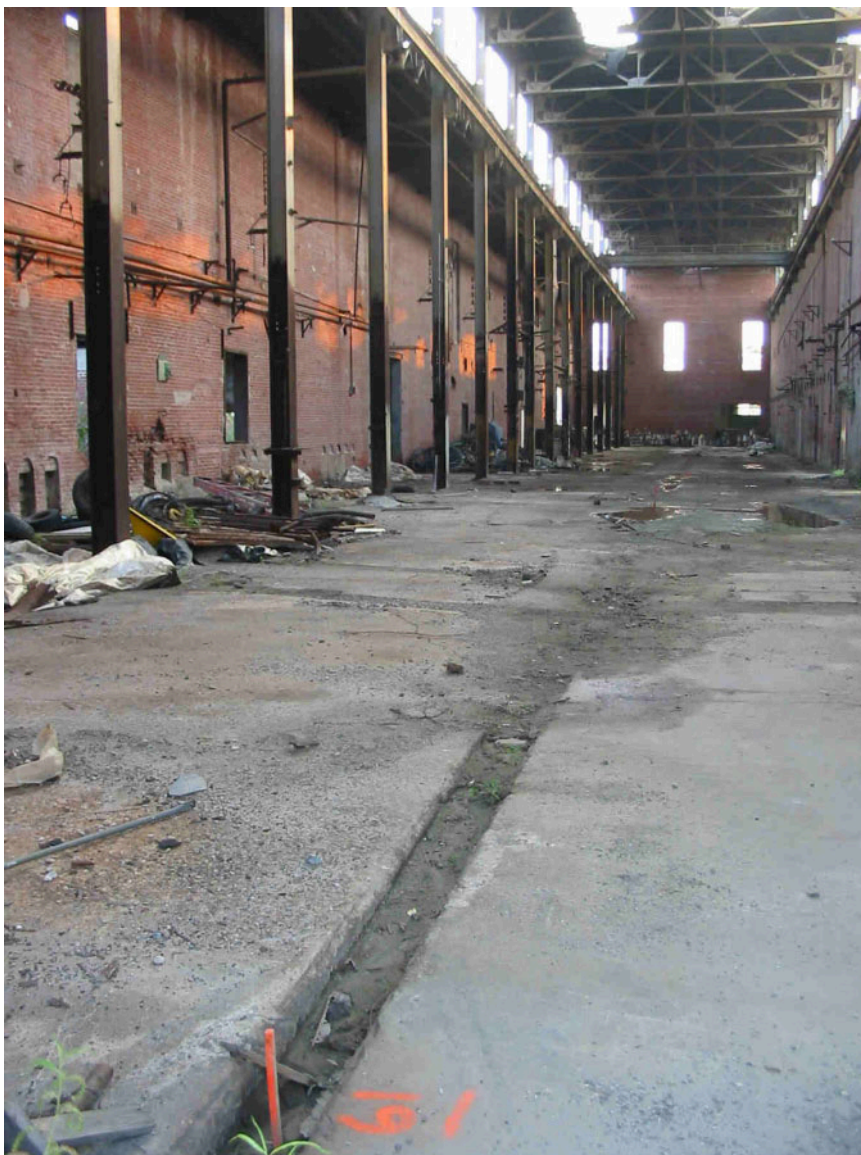


Photo Metro-Trainer.042: View to the northeast of the same former “oven room” depicted in Photo Metro-Trainer.019, the location of the “closed top” drum reclaiming operations, inside the former drum reclaiming building at the Trainer Industries, LLC/former Metro Container Corporation site. The orange stake in the left foreground marks the location of the 05-MET-61 soil boring location at the end of the extensive floor channel system that conveyed waste and other materials during the drum reclaiming operations conducted on the site between 1963-1988.

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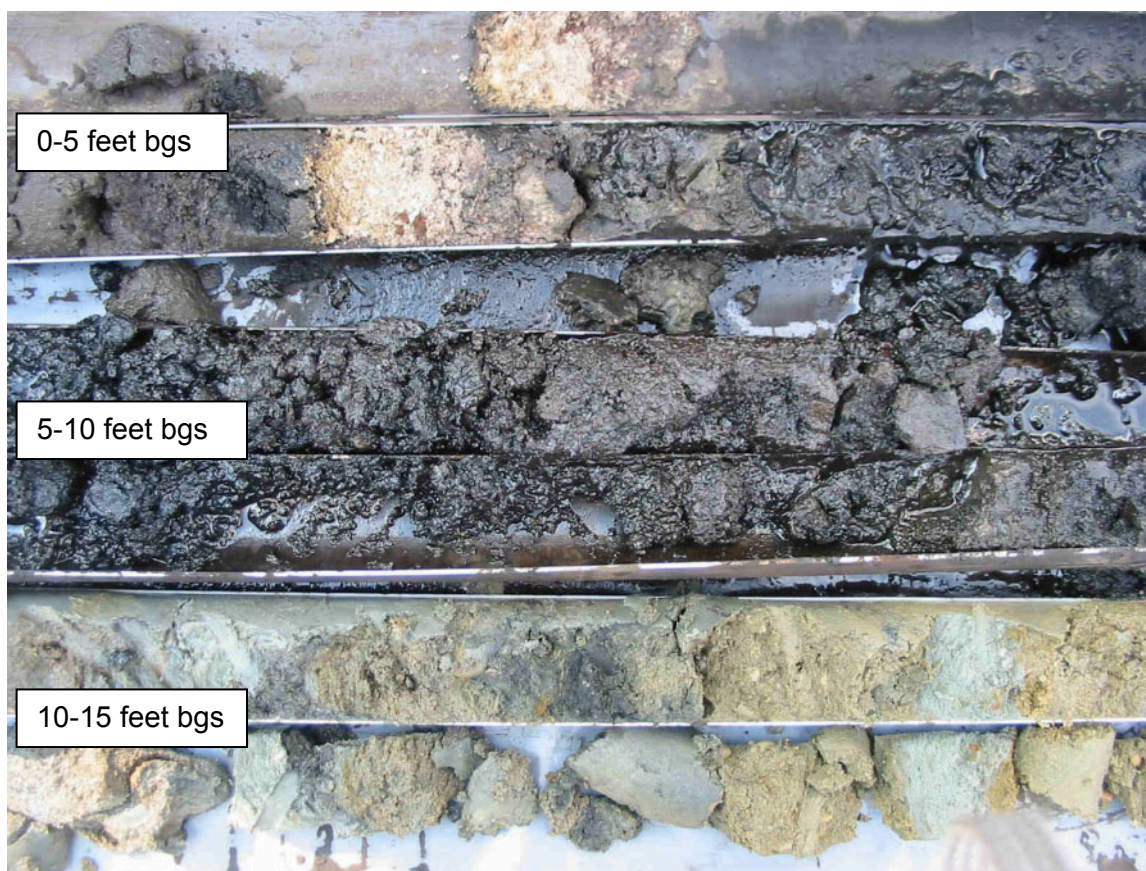


Photo Metro-Trainer.043: View of the center section of the Geoprobe<sup>®</sup> soil cores extracted from the 05-MET-061 location at the Trainer Industries, LLC/former Metro Container Corporation Site. The light colored material in the 0-5 ft below ground surface (bgs) interval represents the degraded concrete that lined the bottom of the floor channels. The interval underlying the degraded concrete, including most of the 5-10 ft bgs interval, was comprised of anthropogenic gravel and slag saturated with non-aqueous phase liquids (NAPL), which also had migrated vertically into the fractures of the underlying native Cape May Formation silt (10-15 ft bgs interval).



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Photo Metro-Trainer.044: Close-up view of the center section of the Geoprobe<sup>®</sup> soil cores extracted from the 05-MET-061 location at the Trainer Industries, LLC/former Metro Container Corporation Site. The 5-10 ft bgs interval, comprised of anthropogenic gravel and slag, was saturated with non-aqueous phase liquids (NAPL), seen here seeping into the cardboard identification label.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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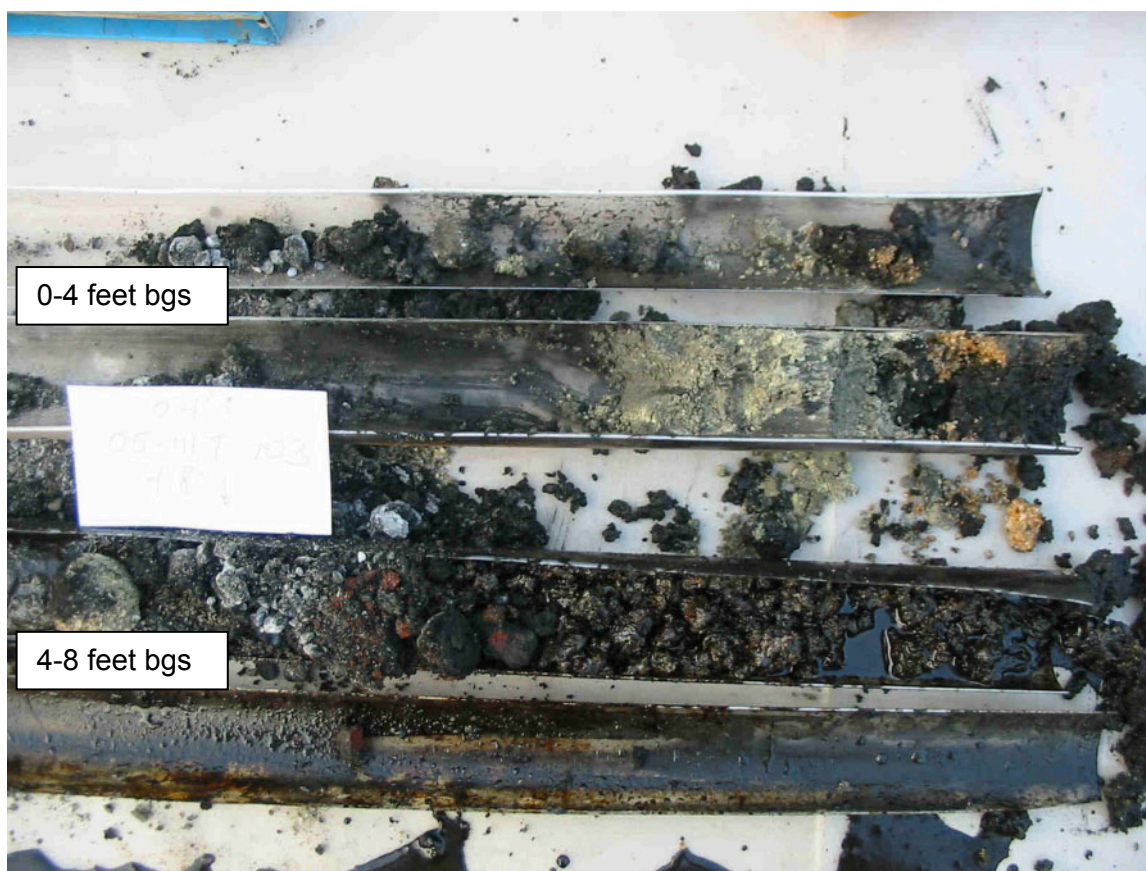


Photo Metro-Trainer.045: View of the bottom section of the upper two Geoprobe<sup>®</sup> soil cores extracted from the 05-MET-103 location, an area used for the improper storage of thousands of leaking and uncovered 55-gallon drums filled with sludge and waste (see Photo Metro-Trainer.89-13), at the Trainer Industries, LLC/former Metro Container Corporation site. The entire 0-8 ft bgs interval was comprised of anthropogenic gravel, sand, slag, concrete, and sludge saturated with non-aqueous phase liquids (NAPL), which registered up to 978 ppm on the field screening PID. This NAPL vertically migrated into the fractures of the underlying native Cape May Formation silt, which had PID reading in excess of 10,000 ppm.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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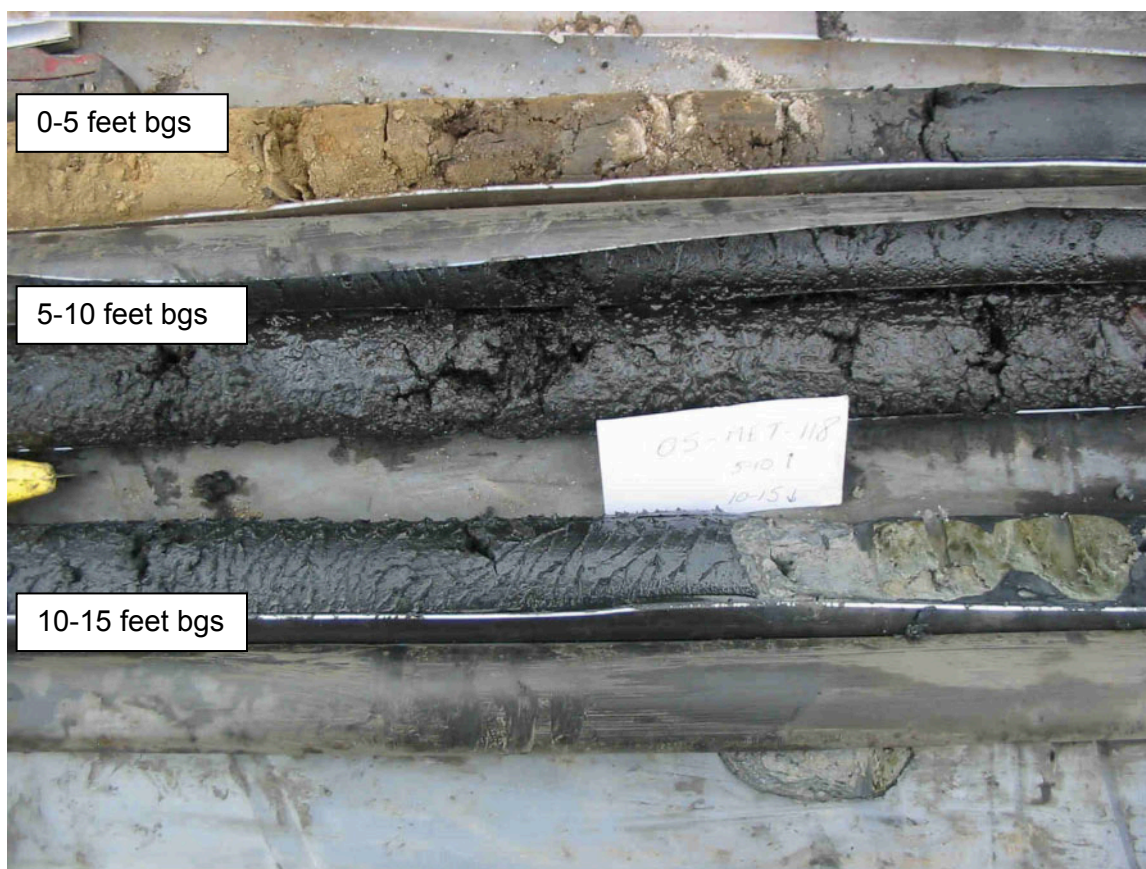


Photo Metro-Trainer.046: View of the top section of the Geoprobe<sup>®</sup> soil cores extracted from the 05-MET-118 location, an area used for the improper storage of thousands of leaking and uncovered 55-gallon drums filled with sludge and waste (see Photo Metro-Trainer.89-18), at the Trainer Industries, LLC/former Metro Container Corporation site. The light colored material in upper portion of the 0-5 ft bgs interval represents soil used to cover this location after the completion of the 1989 removal action. The entire 5-10 ft bgs interval was comprised of anthropogenic coke, slag, and sludge saturated with non-aqueous phase liquids (NAPL), which registered up to 1,584 ppm on the field screening PID. This sludge material directly overlies native Cape May Formation silt, seen in the 10-15 ft bgs core interval.

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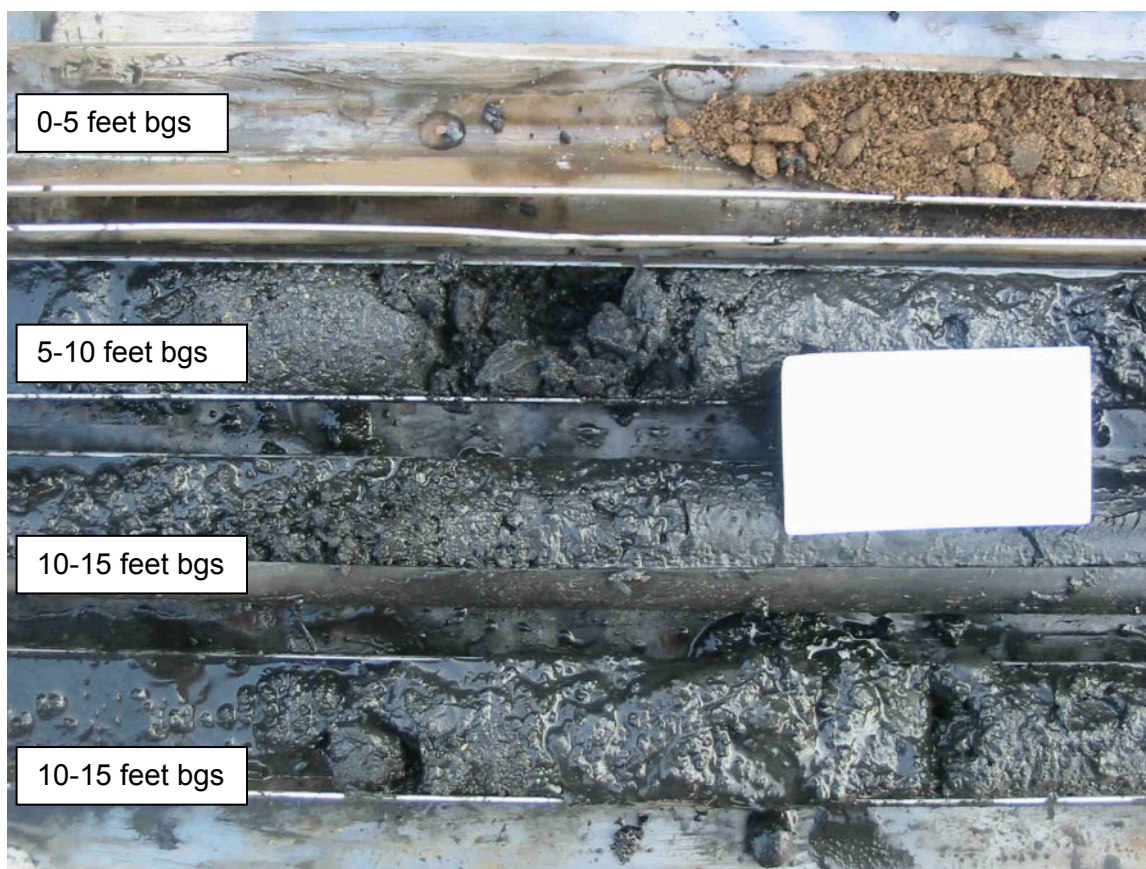


Photo Metro-Trainer.047: View of the top section of the Geoprobe<sup>®</sup> soil cores extracted from the 05-MET-119 location, a former tank containment area that was also used as an unlined waste and sludge impoundment (see Photo Metro-Trainer.89-22), at the Trainer Industries, LLC/former Metro Container Corporation site. The light colored material in upper portion of the 0-5 ft bgs interval represents soil used to cover this location, site of the facility's waste oil tank, wastewater treatment plant, DAF sludge tank, three acid tanks and an alum tank. The 5-10 ft bgs interval was comprised of anthropogenic gravel, coke, and slag, which had strong chemical odor and registered up to 1,469 ppm on the field screening PID. This material directly overlies impacted native Cape May Formation silt, sand, and gravel seen in the 10-15 ft bgs and 15-20 ft bgs core intervals.



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Photo Metro-Trainer.048: View to the south of the two known surface water outfalls to Stony Creek at the Trainer Industries, LLC/former Metro Container Corporation site. In the near foreground, identified by the small orange flag (location of the 05-METS-06 sediment sample location), is the outfall depicted on Photo Metro-Trainer.037. In the upper far left of the photograph is the green PVC pipe outfall that was depicted on Photos Metro-Trainer.033, .034, and .035. It is presently unknown which catch basins on the Trainer Industries, LLC property are connected to these outfalls.

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Photo Metro-Trainer.049: View to the north of the concealed surface water outfall to Stony Creek at the Trainer Industries, LLC/former Metro Container Corporation site. Because of the dense vegetation, the outfall is somewhat obscured in this photograph; refer to Photos Metro-Trainer.036 and .037 for unobstructed views of this surface water discharge point.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.050: Close-up view to the east of the embankment of Stony Creek, comprised primarily of concrete demolition debris and crushed 55-gallon drums at the Trainer Industries, LLC/former Metro Container Corporation site. It is surmised that this fill was used to expand the property westward into the Stony Creek watershed in 1985, a supposition confirmed by the March 6, 1985 aerial photograph and historical regulatory documents that describe an October 7, 1985 site visit by PADER to check on reports that demolition waste was being dumped in close proximity to Stony Creek (see Photo Metro-Trainer.89-29). Despite PADER insistence that fill material dumped within 50 feet of the creek be removed, Metro Container Corporation management ignored this directive.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.051: View to the northwest of the commencement of the Test Trench-01 excavation at the Trainer Industries, LLC/former Metro Container Corporation site, in the same general location depicted in Photo Metro-Trainer.89-05. Test trenches were advanced at four different locations at the site based on EM-61 geophysical results showing intense magnetic field readings indicative of 55-gallon drums or other metallic objects in certain areas of the property. The EM-61 was deployed primarily because the former owners of Metro Container Corporation admitted in their trials to instructing employees to bury 55-gallon drums on the property and there was evidence of 55-gallon drums in the embankment of Stony Creek and in the shallow subsurface soils. A historical aerial photograph from March 6, 1985 clearly indicates that Metro Container Corporation was filling in the entire low-lying floodplain of the Stony Creek in the northwestern corner of the site. This trench, which encountered drum lids at 3 ft bgs, was advanced between the 05-MET-01 and 05-MET-129 Geoprobe<sup>®</sup> locations.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.052: View to the northwest of the Test Trench-01 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. This photograph shows the trench had been excavated to a depth just above the water table and that numerous drum lids were encountered at approximately 3 ft bgs.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.053: View to the northwest of the Test Trench-01 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. This photograph shows the trench being excavated through the top of the water table; additional drum lids were encountered at this depth in addition to numerous crushed 55-gallon drums.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.054: View to the southwest of the sidewall of the Test Trench-01 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. Underlying a 2-foot thick layer of soil cover, a distinct light gray layer of flyash was encountered. Underlying this flyash layer was a tightly compacted deposit of crushed and apparently incinerated drums at a depth of 3 to 5 feet bgs.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.055: View of a crushed 55-gallon removed from the Test Trench-01 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. Many of the crushed drums that were encountered contained small amounts of residual solids that registered PID readings up to 427 ppm. Plastic sheeting was also encountered intertwined with the drums.



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Photo Metro-Trainer.056: View to the northwest of the Test Trench-01 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. This trench was being advanced to the northwest towards the 05-MET-129 Geoprobe<sup>®</sup> location from the 05-MET-01 Geoprobe<sup>®</sup> location. Hydrocarbon sheens were noted on the water table, due primarily to the severe soil impacts present beneath the water table in this vicinity.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.057: View to the southeast of the debris removed from the Test Trench-01 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. Although a large backhoe tire and numerous 5-gallon buckets of discarded paint were encountered in the excavation, the anthropogenic fill in this area was primarily comprised of crushed 55-gallon drums and drum lids. The drums appeared to have been incinerated as the metal was charred and blackened and there were no labels or other identifying markings on the drums.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.058: Another view to the northwest of the debris removed from the Test Trench-01 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. The volume of flyash (right foreground) was substantial; it is surmised that this flyash was either obtained from Delaware County Regional Water Quality Control Authority (Delcora) in the mid-1980s, in violation of a PADER order not to use such material as fill, or from the facility's own incinerator that was used to burn the exterior paint from drums and also prepare unsalvageable drums for the scrap metal market.

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Photo Metro-Trainer.059: View to the northeast of the commencement of the Test Trench-02 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. This trench, which encountered construction debris and a concrete slab, was advanced between the 05-MET-86 and 05-MET-139 Geoprobe<sup>®</sup> locations. Historical aerial photographs indicate that this location was the site of a Stauffer Chemical Company, Inc. structure.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.060: View to the northeast of a concrete slab encountered at 4 ft bgs in the Test Trench-02 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. Most of the anthropogenic fill encountered in this trench was comprised of bricks, concrete block, terra-cotta pipe, and miscellaneous metallic debris.

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Photo Metro-Trainer.061: View to the northeast of the Test Trench-02 excavation at the Trainer Industries, LLC/former Metro Container Corporation site as the trench is being advanced to the northeast towards the 05-MET-13 Geoprobe<sup>®</sup> location, the same area depicted on the right-hand side of Photo Metro-Trainer.89-03. The water table was encountered between 3 to 4 ft bgs in this excavation. One crushed drum was encountered; the small amount of residual solids in this drum registered a PID reading of 280 ppm.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
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Photo Metro-Trainer.062: Close-up view of the northeastern end of the Test Trench-02 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. An unknown 4.5-inch diameter steel pipeline was encountered approximately 2.5 feet bgs; it is not known if this was one of the many former pipelines that were connected to the stormwater conveyance system during the drum reclaiming operations at the site or a remnant of some other former Stauffer Chemical Company, Inc. industrial processing infrastructure.

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Photo Metro-Trainer.063: View to the southwest of the commencement of the Test Trench-03 excavation at the Trainer Industries, LLC/former Metro Container Corporation site, the same location depicted in the center of Photo Metro-Trainer.89-13. This trench was advanced in the vicinity of the 05-MET-109 and 05-MET-121 Geoprobe<sup>®</sup> locations just to the west of the former drum reclaiming building where the EM-61 geophysical survey indicated intense magnetic anomalies and a linear anomaly suggestive of a buried pipeline. Several plastic pipes were encountered in the shallow subsurface leading away from the former drum reclaiming building, probably related to the primary wastewater treatment system that operated under the former Universal Container Corporation/Metro Container Corporation ownership.



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Photo Metro-Trainer.064: View to the west of the Test Trench-03 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. In addition to the aforementioned plastic piping, a significant amount of metallic debris (e.g., wire, conduit), bricks, and cast concrete block was encountered in the excavation.

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Photo Metro-Trainer.065: View of an unknown 15-inch diameter steel pipeline approximately 2 ft bgs in the Test Trench-03 excavation at the Trainer Industries, LLC/former Metro Container Corporation site. It is surmised that this pipeline, given its orientation to the southwest, may have been the primary discharge pipe that lead from the former drum reclaiming building into a screen box, a settling tank, and then directly into the former disposal lagoon between 1963 and 1972.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania  
Site Characterization Photograph Log - 2005**



Photo Metro-Trainer.066: View to the southeast of the Test Trench-03 excavation at the Trainer Industries, LLC/former Metro Container Corporation site, showing the orientation of the 15-inch diameter steel pipeline, which may have been the discharge pipe to the former disposal lagoon. It is surmised that when this pipe became inoperable upon closure of the former disposal lagoon, the two plastic pipes seen in Photo Metro-Trainer.063 were installed as part of the primary wastewater treatment system that operated under the former Universal Container Corporation/Metro Container Corporation ownership after 1972.

**Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania  
Site Characterization Photograph Log - 2005**



Photo Metro-Trainer.067: View to the southeast of the Test Trench-04 excavation at the Trainer Industries, LLC/former Metro Container Corporation site, in the area depicted at the center of Photo Metro-Trainer.002. This test trench encountered demolition debris, primarily brick and rebar-reinforced concrete, probable remnants of the aboveground storage tank demolition that took place after Stauffer Chemical Company, Inc. ownership when the site was cleared of most of its original tankage.



**Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania**



**Former Metro Container Site Aerial Photograph  
March 11, 1953  
(Stauffer Chemical Company, Inc. Ownership)**



**Former Metro Container Site Aerial Photograph  
March 16, 1959  
(Stauffer Chemical Company, Inc. Ownership)**

**Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania**



**Former Metro Container Site Aerial Photograph  
April 22, 1965  
(Joseph A. Reis Company Ownership)**



**Former Metro Container Site Aerial Photograph  
April 8, 1970  
(Universal Container Corporation Ownership)**



**Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania**



**Former Metro Container Site Aerial Photograph  
March 9, 1975  
(Universal Container Corporation Ownership)**



**Former Metro Container Site Aerial Photograph  
October 30, 1979  
(Universal Container Corporation Ownership)**

**Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania**



**Former Metro Container Site Aerial Photograph  
March 6, 1985**



**Former Metro Container Site Aerial Photograph  
June 13, 1988**



**Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania**



**Former Metro Container Site Aerial Photograph  
November 4, 1989**



**Former Metro Container Site Aerial Photograph  
April 19, 1990**

**Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania**



**Former Metro Container Site Aerial Photograph  
April 19, 1993**



**Former Metro Container Site Aerial Photograph  
March 24, 1995**



## **APPENDIX B**

### **ADVANCED GEOLOGICAL SERVICES EM AND GPR SURVEY REPORT (1999) AND QUANTUM GEOPHYSICS EM-61 SURVEY REPORT (2005)**



August 30, 2005

[REDACTED]  
MWH Americas, Inc.  
335 Phoenixville Pike  
Malvern, PA 19355

Re: Report  
EM61 Metal Detector Survey  
Metro Container Site  
Trainer, Pennsylvania

[REDACTED],  
  
This report presents the findings of Quantum Geophysics, Inc.'s EM61 metal detector survey to identify potential buried drums at the Metro Container site in Trainer, Pennsylvania.

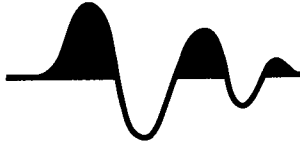
The survey was carried-out August 22 through 24 by Quantum's principal geophysicist Richard Lee and technicians Justin Dietrich and Matt Dietrich. To guide the survey, a 20' x 20' grid was constructed over the area of investigation using a transit, 300-foot fiberglass survey tapes, fluorescent paint, and pin-flags. The grid was tied (referenced) to staked sample locations common to a basemap provided by MWH Americas, Inc. (Metro-03.dwg).

The EM61 was run along lines spaced 5 feet apart and data were automatically acquired every 0.86 feet of traverse for 100% coverage, where accessible. In the office, the data were entered into the surface applications program Surfer for Windows, gridded using the Kriging Method with an octant search, contoured at 20 millivolts (mV), inserted as a raster image onto the basemap Metro-03.dwg, annotated, and then printed by a Hewlett Packard (HP) 1220c color deskjet at a scale of 1" = 20 feet.

## **FINDINGS**

The fully annotated EM61 contour map is shown in Figure 1. Based upon the geophysical data:





[REDACTED]  
MWH Americas, Inc.

Page 2

- Several buried metal debris fields were identified. They are characterized by areas of relatively high EM61 responses (approximately 225 to over 300 mV). They vary in size from as small as approximately 40' x 100' to as large as 150' x over 300' long. The buried debris fields are largely concentrated in the western portion of the site, especially along the silt fence that runs parallel to and near Stony Creek. Although it is difficult to discriminate the type or origin of metal targets based upon EM61 data, there is a good probability that if drums are located onsite they would be located in these buried debris fields.
- Several linear anomalies suggestive of buried metal pipes were also identified. The origin of the pipes is unknown but the larger linear anomalies, like the one in the eastern portion of the site that trends through areas of staged materials, may be caused by corrugated metal pipes (CMP).

Quantum appreciates this opportunity to be of service to MWH Americas, Inc. Please call if you have any questions or if we can be of further assistance.

Sincerely,

**Quantum Geophysics, Inc.**

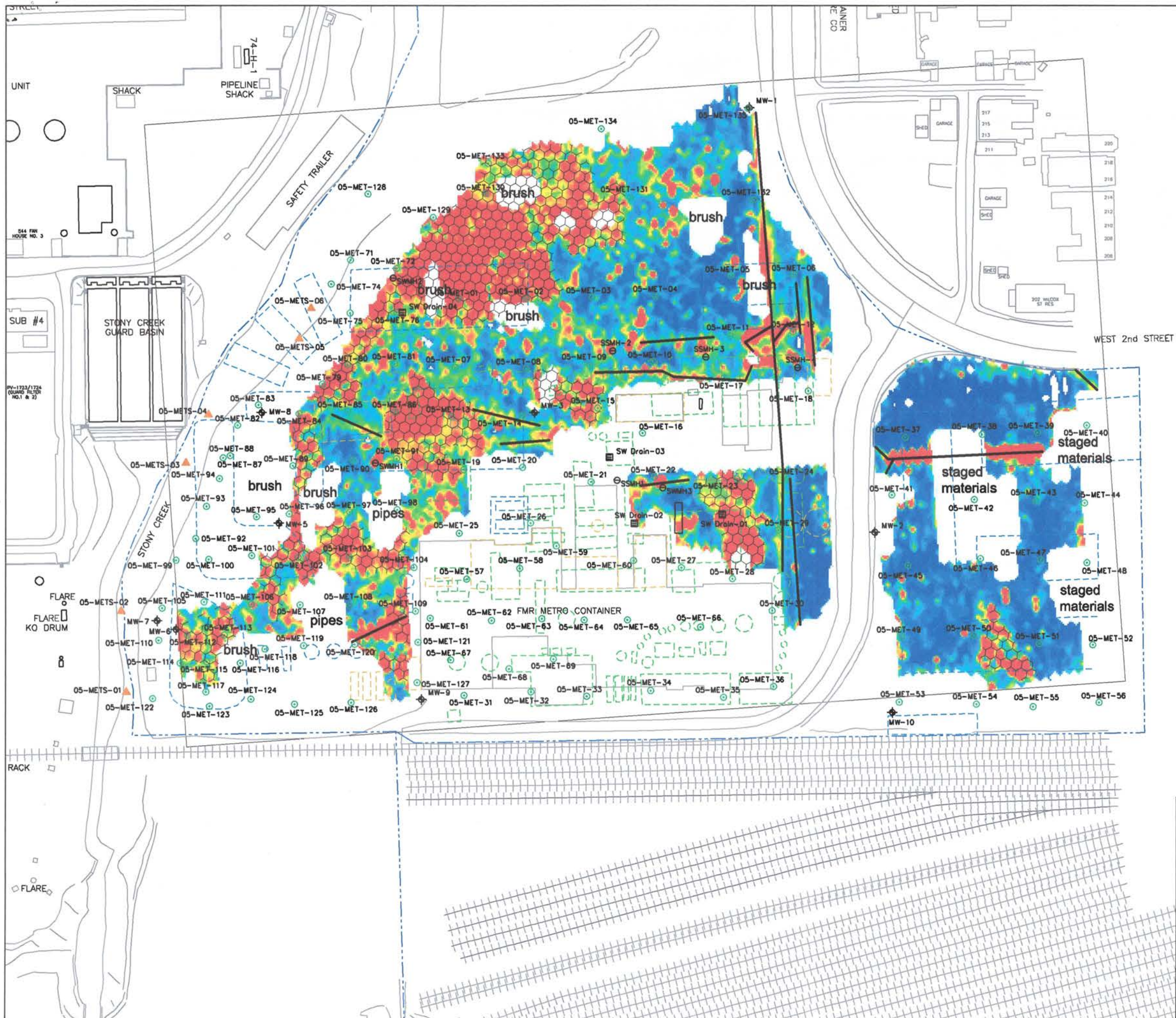
[REDACTED]

[REDACTED], P.G., R.GP.

President and Principal Geophysicist

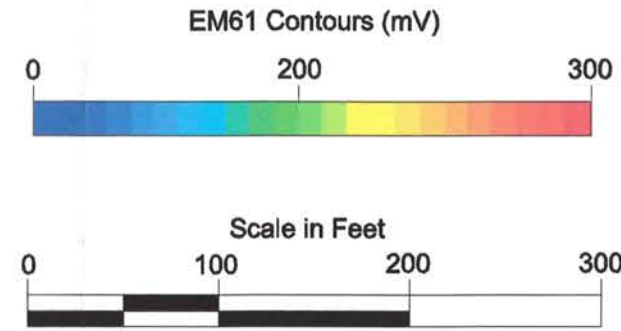
RKL/jas





LEGEND

- Buried metal debris field, may contain drums.
- Potential buried pipe.



Basemap: Metro-03.dwg from MWH Americas, Inc.



EM61 Contour Map  
Metro Container  
Trainer, Pennsylvania

AR100330

For: MWH Americas, Inc.		
Date: 8-30-05	Project No.: 05-0081	File: C:\Montgomery Watson\Trainer\Fig1.dwg





3 Mystic Lane  
Malvern, PA 19355  
(610) 722-5500  
(610) 722-0250

June 7, 1999  
Reference: 99-177-1

[REDACTED]  
Pennoni Associates Inc.  
One Drexel Plaza  
3001 Market Street  
Philadelphia, PA 19104

**Subject:** Results of geophysical investigation conducted at the Former Metro Container Facility, Price Street, Trainer, Pennsylvania

Dear Ms. [REDACTED]

Advanced Geological Services (AGS) presents this letter report to Pennoni Associates Inc. of Philadelphia, Pennsylvania detailing the methods and results of a geophysical investigation conducted at the former Metro Container facility located at Price and 2<sup>nd</sup> Streets in Trainer, Pennsylvania. The portion of the site included in this geophysical investigation was located along the western and southern sides of the former drum recycling plant building and encompassed approximately 2 acres. All geophysical field activities were completed on May 25, 1999.

The objectives of the investigation were to 1) determine if any potential underground storage tanks (USTs) are present, and 2) identify any locations of potential drum burial. To meet the objectives of the investigation, AGS used an integrated geophysical survey approach consisting of the electromagnetic (EM) and the ground-penetrating radar (GPR) geophysical methods.

## **Survey Methods**

### ***Site Conditions***

Portions of the investigation area contained significant amounts of disregard surface metal and debris, particularly along the western side of the drum recycling plant and the area surrounding the former office and locker room buildings. In addition, large metal sliding doors were present along several outer walls of the drum recycling building, and portions of the building were constructed of metal beams and diamond-plate sheet steel.

Dense vegetation, consisting primarily of phragmites and cat-tails, was present in a portion of the site located to the west of the drum recycling plant and south of the former locker-room building. Standing water (up to 6 inches deep) was also present within the densely vegetated area and at the southern end of the geophysical survey grid.

### *Survey Grid*

Prior to data collection, a geophysical survey grid was established across the site. A baseline was extended southward from the northeastern metal gate post at the site entrance closest to the former office building. The baseline was parallel and coincident with the western wall of the shipping and receiving area of the plant building. The datum point established at the gate post was designated as coordinate 0 south/200 west (0S/200W). Wooden stakes were placed at 50 foot intervals along the baseline (line 200W) for future reference. EM data collection traverses were oriented perpendicular to the baseline and spaced 10 feet apart.

### *Electromagnetic (EM) Method*

The electromagnetic (EM) method uses the principle of electromagnetic induction to measure the variability of electrical conductivity of subsurface materials. Significant contrasts in the electrical properties between non-indigenous materials and surrounding soil enable accurate delineation of fill and buried materials. The large EM response to metal makes this technique particularly well suited to identifying buried metal objects, although it is equally sensitive to metal objects on the ground surface.

A GSSI GEM-300 multi-frequency EM instrument was used to conduct the EM investigation. The GEM-300 operates in accordance with the theory of operation at low induction numbers. An alternating current is passed through the transmitter coil to induce eddy currents into the ground. These eddy currents generate a secondary magnetic field. A component of the induced magnetic field is detected by a receiver coil and measured by the instrument. The receiver measures the field strength of both the quadrature and the in-phase components in the units of part per million (ppm) of the transmitted signal. The quadrature response is used by the GEM-300 instrument to internally calculate the soil conductivity response in units of milliSeimen per meter (mS/m).

For this investigation, EM data were collected at transmitter frequencies of 2.55 kilohertz (KHz) and 7.17 KHz to provide a maximum effective depth of investigation of approximately 19 feet. Conductivity EM measurements were collected at 5 foot intervals along each survey grid line spaced 10 feet apart. EM data measurements were made at more than 1,260 points throughout the survey area during this investigation.

### *Ground-Penetrating Radar (GPR) Method*

The ground-penetrating radar (GPR) method was used to provide subsurface imaging information at several locations where large amounts of surface metal precluded the use of EM methods, and at anomalous areas identified from the EM results. The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of the down-going wave contacts an interface of dissimilar electrical



character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface results in equivalent changes in the GPR response. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using known soil velocity functions.

The GPR field procedure involved (1) instrument calibration, (2) test run completion, (3) production profile collection and recording, and (4) data storage for subsequent processing and analysis in the office. Each radar profile was examined for characteristic GPR signatures that indicate the presence of signatures from buried objects, such as USTs.

A Geophysical Survey Systems SIR System 2 and a 400 megahertz (MHz) antenna were used with a recording window of 60 nanoseconds (ns) to provide the required depth penetration and subsurface detail. A total of 33 GPR profiles were recorded during this investigation.

## Results and Discussion

Contoured EM conductivity data and contoured in-phase EM data are shown on Figure 1 and Figure 2 respectively along with site features. The EM noise levels at the site are generally high as a result of the extensive amount of surface metal and the variability of surface soil type. The average background EM conductivity level at the site measured at a transmitter frequency of 2.55 KHz was approximately 500 mS/m, which is generally considered high. It is probable that the high background conductivity levels are caused by the high clay content of near surface soils, such as the clays and silts commonly found in fluvial and estuarine overbank deposits. The results of the EM survey are discussed in the bulleted items below.

- Generally the EM anomalies that can be attributed to a metal source are caused by scrap metal present on the ground surface. The results of the conductivity and in-phase EM data indicate that it is unlikely that any large cache of buried drums is present within the limits of the geophysical survey area, although the presence of buried metal at locations where extensive surface metal is present cannot be dismissed.
- The high conductivity values (greater than about 650 mS/m) located to the south of line 300S, which is shown in yellow and purple on Figure 1, are interpreted to be caused by surface soils. In this area, white gravel was observed to be covering the ground surface. Based on information from other facilities in the Trainer and Marcus Hook area, the white gravel may be an electrically conductive slag material that is often used for ballast. Despite the very high EM conductivity

observed to the south of line 300S, the in-phase EM data indicates that it is unlikely that a cache buried drums, is present. Soil sampling of this area could be conducted to verify this interpretation.

- An anomalous linear feature is noted in both the conductivity and the in-phase data which extends from 320S/300W to approximately 320S/200W (Figure 1). Based on the EM data, it is not possible to determine the exact source of this linear anomaly, however it could be the result of roadway ballast or a potential buried pipe. Further investigation would be required to determine the source of this anomaly.
- The EM data indicates the presence of a potential storm sewer pipe and potential fire protection line, as shown on Figure 1. The presence and exact location of these suspected pipes could not be verified with the GPR data.
- No EM anomalies features indicating the presence of any USTs around the perimeter of the former drum recycling building were identified on the EM contour plots. In addition, no UST fill ports or vent pipes were visually observed during data collection. However, electromagnetic interference from metal within the building structure and reinforced concrete, as well as discarded surface metal and metal truck trailers are present around portions of the building perimeter which could potentially mask any abandoned USTs that may be in these areas.

Ground-penetrating radar data were collected at several locations to determine if USTs were present and to provide additional subsurface information. The results from the GPR data are summarized in the bulleted items below:

- A number of GPR profiles were collected at the southern end of the former locker room building, to determine if a UST was present. The area investigated with GPR extended from the southern wall of the locker room building to approximately 20 feet south of the locker room. No GPR signatures that could be attributed to the presence of a UST were identified.
- The area extending from the entrance gate towards the drum recycling plant adjacent to the site fence (0S/200W to 5S/100W) was investigated for USTs. No GPR signatures that could be attributed to the presence of a UST were identified.
- GPR data were collected in the area surrounding the storm water catch basin near the pad (Figure 1) to identify the location of the storm sewer pipes and the fire protection line. A GPR record which crosses the potential fire protection line and potential storm sewer pipe, as identified in the EM results, is shown on Figure 3. The radar profile indicates that the water table depth during the time of the geophysical investigation was 4 feet below the ground surface. Below the water table, the GPR data was severely attenuated, therefore, the presence of buried pipes could not be verified.



## Summary

A geophysical survey was conducted across a site of approximately 2 acres to determine if drums had been buried on-site and determine the presence of USTs. The EM data indicate that the electrical conductivity of the soils at this site is high and the surface soil type may be variable across the site.


Generally, the identified EM anomalies could be attributed to surface metal sources and no areas within the geophysical survey area were interpreted to be the result of buried drums.

The portion of the site located immediately south of the former locker room and adjacent to the chain link fence at the north end of the site were investigated using the GPR method to determine if any USTs were present. No anomalies that could be attributed to a UST were identified.

The GPR results indicate that the water table at the site was 4 feet below the ground surface during the time of the geophysical investigation. Because of GPR signal attenuation from the water table, the location of the potential fire protection line and storm sewer could not be verified.

If you have any questions regarding the methods or results of this investigation, please contact me at 610-722-5500. It was a pleasure working with you on this project, and I look forward to working with you in the future.

Sincerely,

, P.G.  
Geophysicist

Enclosures: Figure 1 - Conductivity Contour Map  
Figure 2 - In-phase EM Contour Map  
Figure 3 - GPR Record

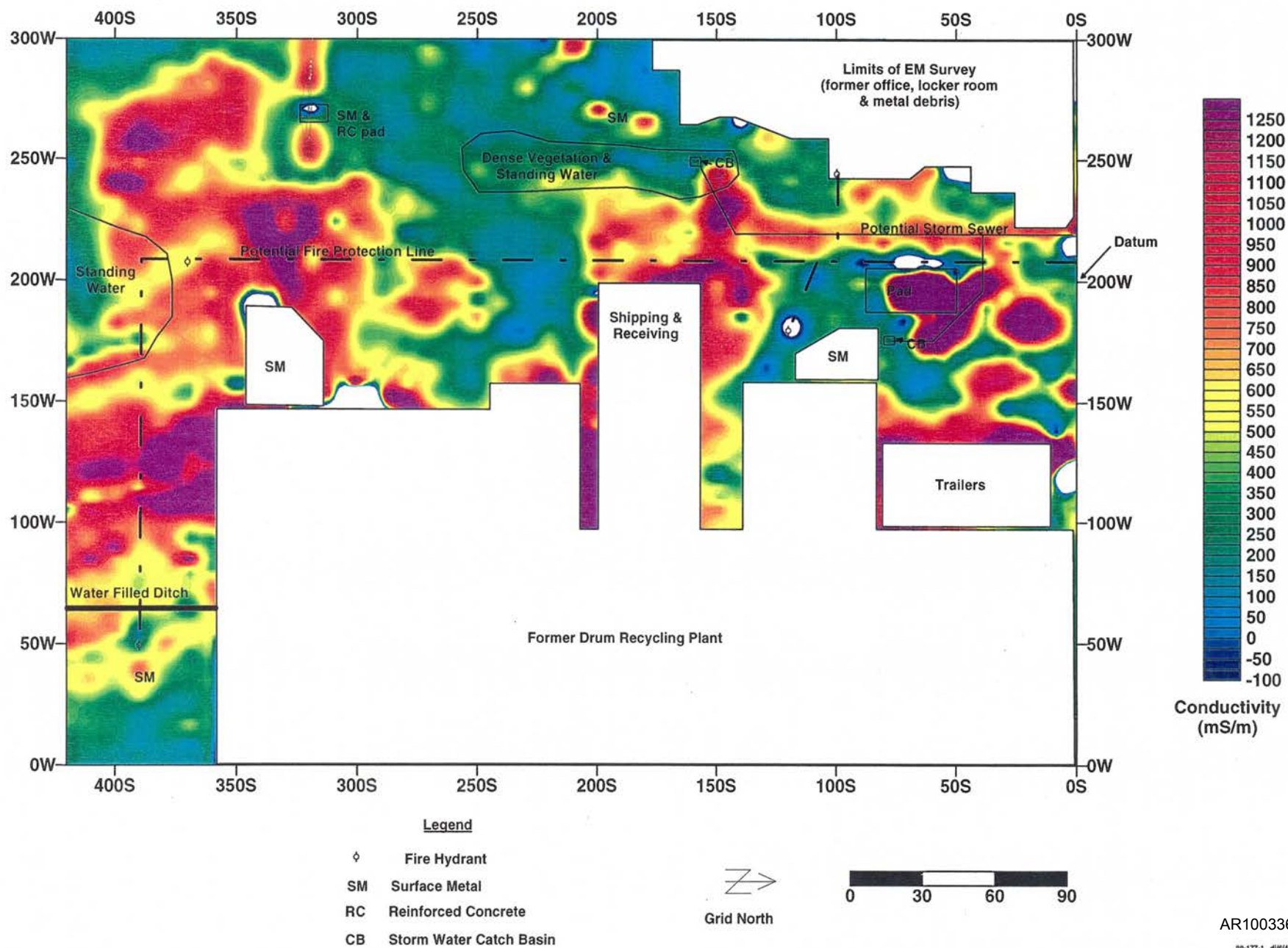


Figure 1  
Sketch Map of the Metro Container Site  
and Imaged 2,550 Hz Conductivity Data

Pennoni Associates Inc.  
Former Metro Containers Property  
Trainer, Pennsylvania





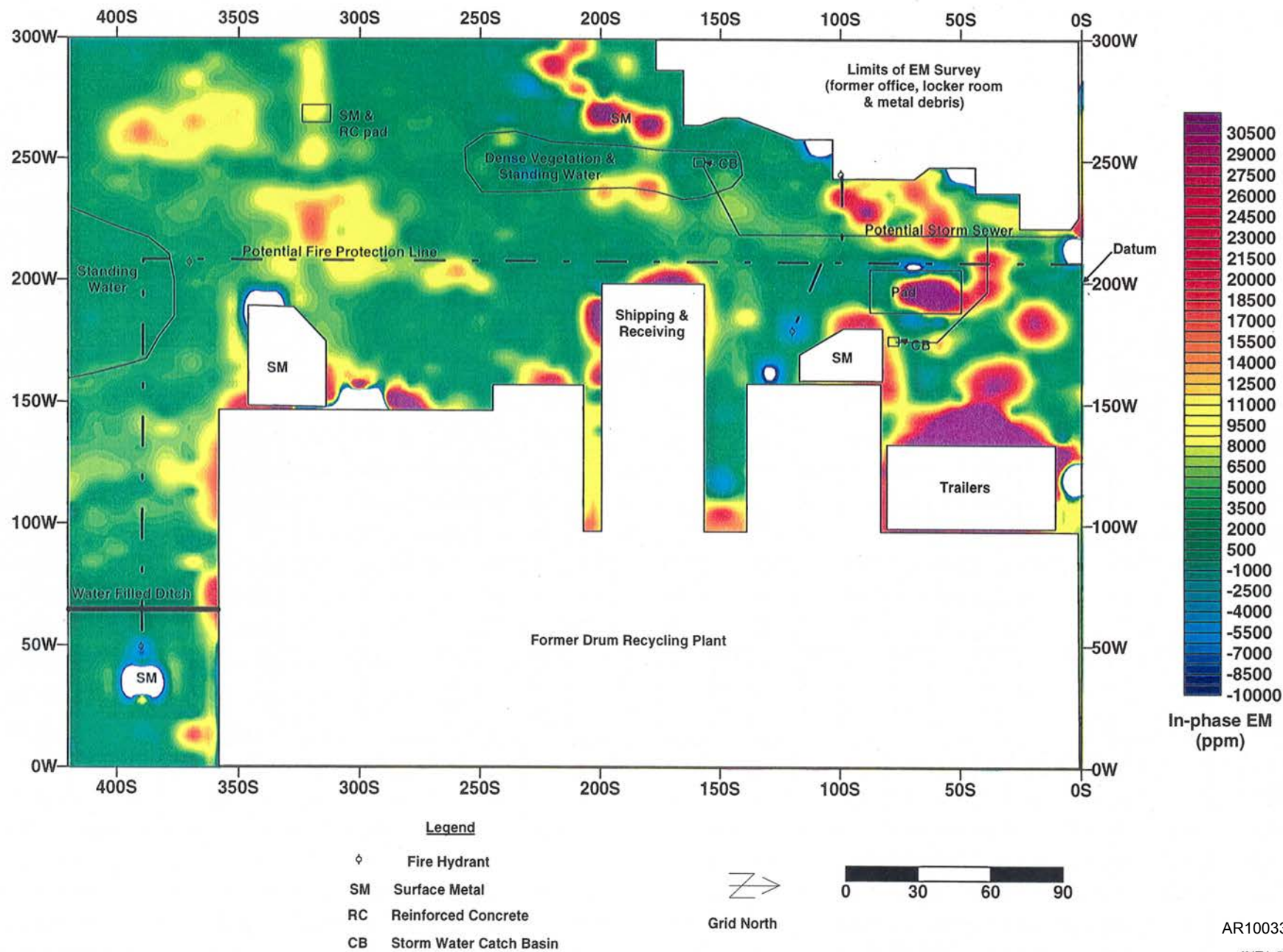


Figure 2  
Sketch Map of the Metro Container Site  
and Imaged 2,550 Hz In-phase EM Data

Pennoni Associates Inc.  
Former Metro Containers Property  
Trainer, Pennsylvania

## **APPENDIX C**

### **SITE CHARACTERIZATION SOIL BORING LOGS**



**MWH**

MWH Americas, Inc.  
335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-001**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/19/2005

**Date Finished:** 8/19/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 13.8

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 7.5

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			3.6	05-MET-001		FILL		0' - 7.5' Crushed BRICK, SLAG, CONCRETE, and COKE, some black silt, black from 3-7.5', chemical and sulfur-like odors.		No groundwater sample collected at this location.
1			27.0							
			7.2							
2	33		53.2							
			442							
3										
4			680							
5			2792							
			145							
6	45		313							
7			38.2							
			20.2			ML		7.5' - 12.5' Gray and tan mottled SILT, saturated.		
8			23.2							
9			54.0							
			50.1							
10	45		138							
			81.1							
11			34.2							
12			23.9							
			13.5			SW		12.5' - 14' Orange brown fine to coarse-grained SAND and GRAVEL, saturated.		
13			11.4							
			1.8							
14	42		0.5			SM		14' - 15.5' Gray fine-grained SAND and SILT, saturated.		
15										
16										

**MWH**

MWH Americas, Inc.  
335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-002**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/17/2005

**Date Finished:** 8/17/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 13.8

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2.75

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2' Brown (10YR4/3) SAND, SILT and fine-grained GRAVEL, damp, trace rootlets		
1			0.3							
			0.7							
2		36	0.3							
			0.0			FILL		2' - 3' Pale brown (10YR 6/3) coarse-grained SAND, little fine to medium-grained subangular to subrounded gravel, wet		Temporary Piezometer screened 0 - 12' bgs
3			0.0					2.25' - 2.5' BRICK		
								2.75' saturated		
								3' - 4' No recovery		
4			0.0			ML		4' - 10' Partially black stained SILT, little fine-grained sand and clay, saturated, soft		
5			0.2	05-MET-002						
			0.0							
6		48	0.0					5.5' with trace fine-grained sand, no staining, color becomes olive gray (5Y 4/2) and brown (10YR 4/3), damp, hard		
7			0.0							
8			0.0							
9			0.0							
10		36	0.0			SP		10' - 11' Olive gray (5Y 4/3) medium to coarse-grained SAND, little fine-grained gravel, saturated		
11			0.0							
12										



**MWH**

MWH Americas, Inc.  
335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-003**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Northwest of Laboratory

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 14.7

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.2			ML		0' - 2' Brown (10YR 4/3) SANDY SILT with GRAVEL, some fine-grained gravel, dry		
1			0.6							
			0.0							
			0.0							
2		24						2' - 4' No recovery		
3										
4			0.8			ML		4' - 10' Dark gray (5Y 4/2) SILT, little clay and fine-grained sand, saturated, soft		
5			0.7							
			3.8					5.5' damp		
6		36	2.4	05-MET-003						
			0.7							
7										
8			0.0							
			0.0							
9			0.0							
			0.0							
10		36	0.0			SW		10' - 11' Brown (10YR 4/2) GRAVELLY SAND, coarse-grained sand and fine to medium-grained quartz gravel, saturated		
			0.0							
11										
12										

**MWH**

MWH Americas, Inc.  
335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-004**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/16/2005

**Date Finished:** 8/16/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Northwest of Laboratory

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.5

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 9

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.2	05-MET-004		ML		0' - 2.5' Brown (10YR 5/3) SILT with fine-grained SAND, little brick and concrete, dry		Temporary Piezometer screened at 0 - 12' bgs
			0.6							
1			6.8					1' slightly black stained		
			3.0							
2	42		2.6							
			0.4			ML		2.5' - 5' Brown (10YR 4/3) SILT, little clay, trace fine-grained sand, wet		
3			0.2							
			0.5					4' color grades to olive gray (5Y 4/2) and brown (10YR 4/3) mottled		
4			0.2							
5			0.5			ML		5' - 7' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled SILT with fine-grained SAND, wet		
			0.2							
6	48		0.3							
			0.0							
7			0.2			ML		7' - 9' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled SILT, trace clay, damp, firm		
8			0.3							
			1.6							
9			0.4			SM		9' - 11.5' Brown (10YR 4/3) SILT and fine-grained SAND, trace clay, saturated, hard		
			0.2							
10	42		0.3							
			0.4							
11			0.2							
12										



**MWH**

MWH Americas, Inc.  
335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-005**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North of Office

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 17.2

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 10

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			2.0			ML		0' - 5' Brown (10YR 4/3) SANDY SILT with GRAVEL, some fine-grained gravel, dry		
1			0.6							
			0.6							
2		42	0.8							
			0.4							
			0.2							
3			0.4							
4			0.0							
			0.0	05-MET-005						
5			0.0			ML		5' - 8.5' Brown (10YR 4/3) SILT, little fine-grained sand, damp, hard		
6		18								
7										
8			0.4							
			0.5			ML		8.5' - 10' Brown (10YR 4/3) SANDY SILT, trace clay, wet		
9			0.0							
			0.0							
10		36	0.0			ML		10' - 11' Brown (10YR 4/3) SILT, little fine-grained sand and clay, saturated, soft		
			0.0							
11										
12										

**MWH**

MWH Americas, Inc.  
335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-006**

Page 1 of 1

**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/16/2005

**Date Finished:** 8/16/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North of Office

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 19.0

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):**

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			ML		0' - 2.5' Brown (10YR 5/3) SANDY SILT with fine-grained sand, little brick and concrete, dry		
1			0.1							
			0.2							
			0.2					1.5' black staining		
2	42		0.4							
			0.3	05-MET-006		ML		2.5' - 4.5' Partially black stained SILT, trace fine-grained sand and clay, damp, hard		Temporary Piezometer screened at 0 - 12' bgs
3			0.3							
4			0.2							
			0.1			ML		4.5' - 12' Brown (10YR 4/3) SILT, trace fine-grained sand, damp, trace rootlets		
5			0.2							
			0.0							
6	48		0.3							
			0.1							
7			0.0							
8			0.0							
			0.0							
9			0.0					9' little fine-grained sand, wet		
			0.0							
10	48		0.0							
			0.0							
11			0.0							
			0.0							
12			0.0							



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**Boring ID: 05-MET-007**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.0

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			3.5			FILL		0' - 1' Brown (10YR 4/2) SILT and fine-grained SAND, little fine-grained gravel, dry		
1			264			FILL		0.5' partially black stained		
			420			FILL		1' - 1.5' CONCRETE		
			670			FILL		1.5' - 3' Brown (10Yr 4/2) SILT and fine-grained SAND, little fine-grained gravel, damp		
2	42		242							
			14.1					2.75' - 3' black stained		
3			12.2			FILL		3' - 3.5' CONCRETE		
						FILL		3.5' - 5' Dark gray (5Y 4/1) SILT, some fine-grained sand, little clay, damp		
4			16.7							
			27.8							
5			10.9	05-MET-007		FILL		5' - 6.5' Black stained SILT, fine-grained SAND and [REDACTED] saturated, moderate hydrocarbon odor		
			9.7					5.5' - 6' brick		
6	36		4.3							
			2.1			ML		6.5' - 10' Olive gray (5Y 4/2) and yellowish brown (10YR 5/8) mottled SILT, little fine-grained sand and fine-grained gravel, damp, firm, trace rootlets		
7										
8			1.6							
			1.4							
9			0.8							
			0.8							
10	36		1.0			SP		10' - 11' Olive gray (5Y 4/2) and yellowish brown (10YR 5/8) mottled fine-grained SAND, little medium-grained sand and silt, saturated, trace mica		
11			0.1							
12										

Temporary Piezometer screened at 0 - 10' bgs

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**Boring ID: 05-MET-008**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/19/2005

**Date Finished:** 8/19/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.5

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			1.9			FILL		0' - 6.25' CONCRETE, BRICK, [REDACTED] and GRAVEL, some black stained silt, damp.		
1			11.2							
2		45	5.7							
			11.9							
3			14.2							
4			40.5							
5			8.7					5' saturated		
6		48	1.5							
			0.7			ML		6.25' - 11.5' Tan and gray mottled SILT, saturated.		
7			0.8							
			1.6							
8			0.0							
9			0.0							
10		48	0.0							
			0.1							
11			2.7							
12			86.5	05-MET-008		SP		11.5' - 13.25' Gray fine to medium-grained SAND, trace rounded coarse-grained gravel, saturated, slight sheen, chemical odor.		
			26.8					12.5' little rounded to subrounded fine to coarse-grained gravel		
13			31.2							
			19.1			SP		13.25' - 15.75' Orange brown fine to medium-grained SAND, saturated.		
14		45	3.8	05-MET-008V						
			2.5							
15			2.2							
16										



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**Boring ID: 05-MET-009**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** West of Laboratory

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 14.4

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 10

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.1			FILL		0' - 1' Brown (10YR 4/3) fine-grained SAND and SILT, little fine-grained sand, dry		
1			0.9			FILL		1' - 1.5' CONCRETE		
2		42	1.0			FILL		1.5' - 2' Black stained fine-grained SAND and SILT, little fine-grained sand, dry		
			0.8			FILL		2' - 2.5' BRICK		
			0.3			FILL		2.5' - 4.5' Partially black stained SILT, trace clay, little fine-grained sand, wet		Temporary Piezometer screened at 0 - 15' bgs
			0.2			ML				
			0.4							
4			10.5			ML		4.5' - 10' Slightly black stained olive gray (5Y 4/2) SILT, little clay, trace fine-grained sand, damp, slight hydrocarbon odor		
5			13.4							
		48	69.5							
6			1.9							
			2.4							
7			3.7							
			7.4							
8			12.5							
9			26.7							
		36	13.9							
10			63.3							
			57.9	05-MET-009		ML		10' - 14' Olive gray (5Y 4/2) SANDY SILT, fine-grained SAND, little medium to coarse-grained sand, saturated, slight hydrocarbon odor, soft		
11			23.7							
12			20.7							
13			11.4							
		36	10.8							
14			5.1							
			3.4			ML		14' - 15' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled SILT, little clay, damp, firm, trace rootlets		
15			1.5							
16										

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**Boring ID: 05-MET-010**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North of Laboratory

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.5

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 10

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.5			FILL		0' - 2' Brown (10YR 4/3) SILT and SAND, some fine-grained gravel, dry		
1			0.8							
			0.4							
2		36	0.6			FILL		2' - 2.25' BRICK		
			0.5			FILL		2.25' - 3' Black stained brown (10YR 4/3) SILT and SAND, some fine-grained gravel, damp		No groundwater collected at this location
			0.4							
3						ML		3' - 10' Olive gray (5Y 4/2) SILT, little fine to medium-grained gravel, trace fine-grained sand and clay, wet		
4			0.1							
5			0.4							
			0.0							
6		36	0.0					6' color grades to brown (10YR 4/3) and olive gray (5Y 4/2) mottled		
			1.5							
7			1.1							
8			0.4							
9			0.3							
			0.0							
10		36	0.0			ML		10' - 11' Brown (10YR 4/3) and olive gray (5Y 4/2) mottled SANDY SILT, trace mica, saturated, soft		
			0.0							
11										
12										



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**Boring ID: 05-MET-011**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/16/2005

**Date Finished:** 8/16/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North of Office

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 17.0

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 14.5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.2			FILL		0' - 2' Brown (10YR 5/3) SILT and fine-grained SAND, little brick and concrete, dry		
1			0.4					1' some brick and concrete		
2	36		0.3							
3			0.0	05-MET-011		ML		2' - 11' Black stained olive (5Y 5/3) SILT, little fine-grained sand, damp, little rootlets		Temporary Piezometer screened at 0 - 12' bgs
4			0.0					2.25' no staining		
5			0.0					4.5' color grades to yellowish brown (10YR 5/6)		
6	48		0.0							
7			0.0							
8			0.0							
9			0.0							
10	48		0.0							
11			0.0			ML		11' - 14.5' Black stained olive (5Y 5/3) SILT, some fine-grained sand, wet, little rootlets		
12			0.0							
13			0.0							
14	42		0.0							
15			0.0			SW		14.5' - 15.5' Olive (5Y 5/3) GRAVELLY SAND, coarse-grained sand and medium to coarse-grained gravel, saturated		
16			0.0							

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**Boring ID: 05-MET-012**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North of Office

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 17.9

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 9

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.4			FILL		0' - 1' Brown (10YR 4/3) SILT and fine-grained SAND, little fine-grained gravel		
1			15.2							
			1.3	05-MET-012S		FILL		1' - 5' Black stained fine to coarse-grained SAND and fine-grained GRAVEL, some slag, concrete and brick		
2		36	0.3							
			0.1							
			0.3					2.75' - 3' BRICK		No groundwater collected at this location
3										
4			0.3							
			0.2							
5			0.0			ML		5' - 9.5' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled SILT, trace fine-grained sand, damp		
			0.0							
6		36	0.0							
			0.0							
7										
8			0.0							
			0.0							
9			0.3	05-MET-012				9' black staining, little fine-grained sand, saturated		
			0.4			SP		9.5' - 10' Pale brown (10YR 6/3) medium to coarse-grained SAND, little fine-grained gravel, saturated		
10		42	0.0			ML		10' - 11.5' Yellowish brown (10YR 5/4) SILT, trace fine-grained sand and clay, damp, firm		
			0.0							
11			0.0							
12										



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**Boring ID: 05-MET-013**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 12.7

**Total Depth (ft):** 10.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2.25

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.5			FILL		0' - 1' Brown (10YR 4/3) SILT and SAND, some fine-grained sand, damp, slight hydrocarbon odor		
1			1.9							
			24.5			FILL		1' - 6' Black (10YR 2/1) SAND and fine-grained GRAVEL, some silt, damp, slight hydrocarbon odor		
			30.9							
2			177					2.25' saturated		No groundwater collected at this location
	42		102					2.5' piece of wood		
3			146	05-MET-013						
4										
5			72					5' concrete		
			16.5							
6			0.1			ML		6' - 9' Dark gray (5Y 4/2) and brown (10YR 4/3) mottled SILT, little clay, trace fine-grained sand, damp, firm		
			0.7							
7			0.6							
	48		0.4							
8			0.2							
9										
10										

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**Boring ID: 05-MET-014**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 13.3

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.1			FILL		0' - 3' Brown (10YR 4/2) SILT and fine-grained SAND, some concrete and brick, little fine-grained gravel, damp		
1			0.2							
			0.3							
2		42	0.3							
			0.1							
			0.2							
3			0.1					3' - 4' No recovery		
4			10.0			FILL		4' - 4.5' Olive gray (5Y 4/2) SILT, some clay, little brick and concrete, trace fine-grained sand, saturated, sheen, slight hydrocarbon odor, brown NAPL in pockets, soft		
			19.2			ML				
5			100					4.5' - 10.5' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled SILT, little clay, damp, slight hydrocarbon odor, brown NAPL in pockets, firm		
6		42	77.5	05-MET-014						
			24.6							
			18.7							
7			19.5							
8			8.7							
			6.3							
9			2.5							
			2.4							
10		30	0.5					10' no odor, wet		
			0.1							
11										
12										



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**Boring ID: 05-MET-015**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** West of Laboratory

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 14.5

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4.5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			2.5			FILL		0' - 2.5' Brown (10YR 4/2) SILT and fine-grained SAND, little fine-grained gravel, damp		
1			2.5							
			22.0							
2		42	6.1							
			19.4							
3			18.4			ML		2.5' - 4.5' Olive gray (5Y 4/2) SANDY SILT with GRAVEL, little brick and concrete, wet		Temporary Piezometer screened at 0 - 16' bgs
			43.5							
4			17.0							
			16.3			SP		4.5' - 5.5' Pale brown (10YR 6/3) medium to coarse-grained SAND, little subangular to subrounded gravel, saturated		
5			2.4							
			9.3							
6		42	30.1			ML		5' black staining		
			6.3					5.5' - 14' Olive gray (5Y 4/2) mottled with brown (10YR 5/8) SILT, little fine-grained sand, trace rootlets, firm, wet		
7			4.5							
8			3.6					8' saturated		
9			13.5							
			23.2							
10		36	17.1							
			34.2	05-MET-015				10' sheen		
11			25.4							
12			5.4							
13			2.8							
			2.4							
14		36	1.6							
			1.3			ML		14' - 15' Dark gray (10Yr 4/1) SILT, some clay, trace fine-grained sand, trace mica, saturated, soft		
15			1.0							
16										

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**Boring ID: 05-MET-016**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/16/2005

**Date Finished:** 8/16/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** South of Laboratory

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.7

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 3

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.2			FILL		0' - 1' Brown (10YR 4/3) SILT, little fine-grained sand, little fine-grained gravel, damp		
1			0.0			SP		1' - 2' Brown (10YR 4/3) medium to coarse-grained SAND, little medium to fine-grained gravel, wet		
2	36		0.7			SP		2' - 9' Black stained brown (10YR 4/3) medium to coarse-grained SAND, little medium to fine-grained gravel, wet, sheen, slight hydrocarbon odor		No groundwater collected at this location
3			1.5							
4			35.4							
5			33.4	05-MET-016						
6	24		38.3							
7			33.6							
8			16.7							
9			20.1			ML		9' - 14' Slightly black stained olive gray (5Y 4/2) SILT, trace fine-grained sand, saturated, slight hydrocarbon odor, hard		
10	42		15.6							
11			6.6							
12			41.5							
13			17.5							
14	24		38.4					11' little fine-grained sand and clay, saturated, soft		
15			17.1							
16			12.7							
			10.3							
			8.0							
			1.5							



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**Boring ID: 05-MET-017**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Northwest of Office

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 16.9

**Total Depth (ft):** 12.0 '

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 9

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.3			FILL		0' - 2' Brown (10YR 4/3) SILT and fine-grained SAND, little fine-grained gravel, damp		
1			0.4							
			0.4							
			0.5							
2	42		0.5			ML		2' - 11.5' Brown (10YR 4/3) SILT, little clay, trace fine-grained sand, damp, hard		No groundwater collected at this location
			1.0							
3			1.0							
4			1.7							
			3.2					4.5' color grades to olive gray (5Y 4/2), slight hydrocarbon odor		
			2.6							
6	42		6.0							
			3.3							
7			4.6	05-MET-017						
			6.9							
8			5.6							
			1.2							
9			0.8					9' little fine-grained sand, saturated, no odor		
			0.6							
10	42		0.7							
			0.7							
11			0.6							
12										

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**Boring ID: 05-MET-018**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/16/2005

**Date Finished:** 8/16/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Near Office Parking Lot

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 17.3

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 12

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2' Yellowish brown (10YR 5/4) SILT and fine-grained SAND, little fine-grained gravel, dry		
1			0.0							
2	36		0.0			FILL		2' - 3' Black stained SAND and GRAVEL, damp		Temporary Piezometer screened at 0 - 15' bgs
3			0.2	05-MET-018				3' - 4' No recovery		
4			0.1			ML		4' - 15.5' Olive gray (5Y 4/2) SILT, trace fine-grained sand, wet, soft		
5			0.2					5' no sand, hard, wet		
6	48		0.0							
7			0.0							
8			0.0					8' little sand		
9			0.0							
10	48		0.0							
11			0.0							
12			0.0					12' saturated, soft		
13			0.0							
14	42		0.0					14' color grades to olive (5Y 4/3), hard		
15			0.0							
16			0.0							



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**Boring ID: 05-MET-019**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 12.7

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 1.75

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 0.5' Brown (10YR 4/3) SILT, SAND, BRICK and CONCRETE, little wood, damp		
1			0.0			FILL		0.5' - 5' SLUDGE, wet, slight hydrocarbon odor		
2		30	0.0					1.75' saturated, sheen		
3			0.0							Temporary Piezometer screened at 0 - 10' bgs
4			0.0							
5			0.0			ML		5' - 10.5' Olive gray (5Y 4/2) SILT, little clay, trace fine-grained sand, wet, brown NAPL in veins and pockets, hard		
6		42	0.1	05-MET-019						
7			0.0							
8			0.0							
9			0.0					9' mottled with brown (10YR 4/3), damp, no NAPL, firm		
10		42	0.0							
11			0.0			GW		10.5' - 11.5' Olive gray (5Y 4/2) medium to coarse-grained GRAVEL, mostly quartz, little coarse-grained sand, saturated, sheen, slight hydrocarbon odor		
12			0.0							

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**Boring ID: 05-MET-020**

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**Project Name:** Former Metro Container Investigation  
**Location:** Trainer, PA  
**Project Number:** 2111133.010101  
**Date Started:** 8/19/2005  
**Date Finished:** 8/19/2005  
**Drilling Method:** Geoprobe Track Rig  
**Sampling Method:** Geoprobe Macrocore  
**State Permit Number:** NA

**Boring Location:** Drum Storage Area  
**Drilling Company:** ECDI ( )  
**Ground Elevation (ft/msl):** 13.2  
**Total Depth (ft):** 16.0 '  
**Boring Diameter (in):** 2"  
**Water Level During Drilling (ft/bgs):** 2.5  
**Weather Conditions:** NA  
**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			2.0	05-MET-020				0' - 0.3' ASPHALT		No groundwater sample collected at this location.
			3.0			FILL		0.3' - 1.5' Gray crushed ROCK and GRAVEL, dry.		
1			138							
			170			FILL		1.5' - 3.5' Black crushed SLAG, some black ashy silt, chemical odor, saturated at 2.5'.		
2	36		131							
			181							
3										
						ML		3.5' - 11' Tan and gray mottled SILT, saturated, trace yellow to brown NAPL throughout.		
4			54.8							
			34.2							
5			30.5							
			27.6							
6	39		25.0							
7										
			8.0							
8			11.2							
			21.6							
9			22.0							
			92.6							
10	45		84.7			SP		11' - 12.75' Black stained fine to medium-grained SAND, some subrounded to rounded gravel, saturated, gray at 11.5'.		
			13.7							
11			30.0							
			18.7			ML		12.75' - 14' Tan and gray mottled SILT, little clay, trace fine-grained sand, saturated.		
12			6.3							
			10.1							
13	36		5.3							
14										
15										
16										

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**Boring ID: 05-MET-021**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North Side of Drum Reclaim Building

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 14.2

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 7

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			5.7			FILL		0' - 1' Brown (10YR 4/3) SAND, SILT, GRAVEL and CONCRETE, damp		
1			25.3			ML				
			17.7					1' - 14' Black stained SILT, little clay and fine-grained sand and fine-grained gravel, saturated, moderate hydrocarbon odor, sheen		
2		24	14.0	05-MET-021S						No groundwater collected at this location
3										
4			4.6							
5			8.1							
			10.3					5' color grade to olive gray (5Y 4/2) and brown (10YR 4/3) mottling, no staining, no gravel, little rootlets, damp, slight hydrocarbon odor		
6		42	6.8							
			10.3							
7			19.7					7' - 7.25', black staining, saturated		
			44.6							
8			72.7							
9			15.5	05-MET-021/ 05-MET-021A						
			26.2							
10		36	16.9					10' damp, hard		
			313							
11			27.4							
12			10.7							
13			5.1							
			13.6							
14		36	1.0			SP		14' - 15' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled medium to coarse-grained SAND, saturated		
			6.8							
15			12							
16										Refusal at 16' bgs



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**Boring ID: 05-MET-022**

Page 1 of 1

**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North of Drum Reclaim Building

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.0

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 0.5' Brown (10YR 4/3) fine-grained SAND and SILT, little fine-grained sand, dry		
1								0.5' - 4' No recovery Rock stuck in sampler		
2	6									
3										
4			8.5			ML		4' - 11.5' Black stained olive gray (5Y 4/2) and brown (10YR 4/3) mottled SILT, little clay, trace fine-grained sand and fine-grained gravel, saturated, slight hydrocarbon odor, soft, trace mica		
5			15.1							
			7.3	05-MET-022						
6	30		7.2							
			4.5							
7										
8			6.5							
			4.2							
9			2.1							
			0.0							
10	48		0.0							
			0.5							
11			0.0							
						ML		11.5' - 12' Olive gray (5Y4/2) SILT, little clay and fine-grained sand, damp, firm		
12										
13										

Temporary  
Piezometer  
screened at 0 -  
12' bgs

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**Boring ID: 05-MET-023**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North of Drum Reclaim Building

**Drilling Company:**

ECDI [REDACTED]

**Ground Elevation (ft/msl):** 15.9

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1.5' Brown (10YR 4/3) SAND, SILT, GRAVEL and CONCRETE, damp		
1			0.0							
			0.0							
2	24		0.0			ML		1.5' - 5' Partially black stained SANDY SILT, fine-grained sand, little clay and fine to medium-grained gravel, damp		Temporary Piezometer screened at 0 - 10' bgs
3										
4			0.0					4' saturated		
5			0.0			SP		5' - 5.5' Pale brown (10YR 6/3) medium to coarse-grained SAND, saturated, slight hydrocarbon odor		
6	36		0.0	05-MET-023		ML		5.5' - 11' Partially black stained olive gray (5Y 4/2) SILT, some clay, little fine to coarse-grained sand, saturated, soft		
7			0.0							
8			0.0							
9			0.0							
10	36		0.0					10' no black staining		
11			0.0							
12										

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**Boring ID: 05-MET-024**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North Side of Drum Reclaim Building

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 16.5

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 9.5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1' Brown (10YR 4/3) SAND, SILT, GRAVEL and CONCRETE, damp		
1			0.5			FILL		1' - 2.5' Black SLUDGE and CONCRETE		
2	36		0.3	05-MET-024						
			0.3							
			0.1			ML		2.5' - 12' Dark gray (5Y 4/2) and brown (10YR 4/3) SILT, little clay, trace fine-grained sand, damp		No groundwater collected at this location
3										
4			0.5							
5			0.2							
			0.2							
6	48		0.1							
			0.1							
7			0.2							
			0.2					7' wet		
8			0.5							
9			0.7							
			0.0							
10	48		0.0					9.5' saturated, soft		
			0.0							
11			0.0							
			0.0							
12			0.0							



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**Boring ID: 05-MET-025**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/17/2005

**Date Finished:** 8/17/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North Side of Drum Reclaim Building

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 13.8

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 1.5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			45.2			FILL		0' - 1.5' Brown (10YR 4/3) SILT, SAND and fine-grained GRAVEL, some concrete and brick		No groundwater collected at this location
1			16.1							
			30.0			FILL		1.5' - 6' Black stained SAND, fine-grained GRAVEL, some silt, saturated with brown NAPL, sheen, strong hydrocarbon odor		
2	36		78.7							
			157	05-MET-025						
3										
4			64.0							
			16.7							
5			10.7							
			12.3							
6	42		3.1			ML		6' - 10' Black stained olive gray (5Y 4/2) SILT, little clay, trace fine-grained sand, saturated, soft		
			2.2							
7										
8			1.5					8' no staining, brown (10YR 4/3) mottling, damp, firm		
			1.7							
9			2.1							
			2.7							
10	36		0.4			GP		10' - 11' Olive gray (5Y 4/2) coarse-grained GRAVELLY SAND, fine-grained quartz gravel, saturated		
			0.2							
11										
12										

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**Boring ID: 05-MET-026**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/17/2005

**Date Finished:** 8/17/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North Side of Drum Reclaim Building

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.5

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 1

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.5				FILL	0' - 6' Black crushed COKE, SLAG and BRICK with layers of black ashy SILT, trace gravel, saturated, stained.		
1			9.3							
			5.6							
2			14.7	05-MET-026S				1.5' sheen to 2'		
	48		31.2							Temporary Piezometer screened 0-10' bgs
3			12.7							
			41.7	05-MET-026						
4										
5			10.0							
			6.1							
6			14.9			ML		6' - 14' Tan and gray mottled SILT, trace fine-grained sand, saturated, trace brown NAPL.		
		54	4.8							
7			1.9							
			1.0							
8			2.6							
			1.2							
9										
10			2.7							
			3.2							
11			7.1							
			9.3							
12			5.0							
	48		3.5							
13			4.1					13' lamination with some subrounded to rounded gravel		
14										
15										

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**Boring ID: 05-MET-027**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North Side of Drum Reclaim Building

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 14.8

**Total Depth (ft):** 25.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 3

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.3			FILL		0' - 1.25' Brown SILT, some subangular and subrounded gravel, damp, trace roots.		
			47.5			ML		1.25' - 14' Tan and gray mottled SILT, moist, trace yellow NAPL, trace black staining.		
			40.0					3' saturated		
	36		56.8							
			127							
5			129							
			91.9							
			107							
	60		97.0							
			40.6							
			53.0							
			54.7							
			65.6							
10			35.8					10' trace clay, all gray		
			128							
			32.0							
	45		24.0							
			33.7							
			57.0							
			54.7							
15			24.8			ML		14' - 16' Gray SILT, little fine-grained sand, trace subrounded gravel, saturated, yellow staining.		
			14.2			GW		16' - 19' Gray GRAVEL, subrounded to rounded gravel and pebbles, little fine to medium-grained sand, saturated, yellow staining.		
			69.2							
	54		343							
			502							
			387	05-MET-027				19' - 24' SAPROLITE, green with yellow staining.		
20			66.9							
			205							
			183							
			195							
	48		51.8							
			61.9							
			11.8							
			11.5							
25										

Temporary  
Piezometer  
screened 5-20'  
bgs



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**Boring ID: 05-MET-028**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/19/2005

**Date Finished:** 8/19/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North Side of Drum Reclaim Building

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 15.0

**Total Depth (ft):** 18.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 3

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.4			FILL		0' - 2' Crushed CONCRETE, GRAVEL, and BRICK, little tan silt, damp.		
1			0.0							
2		45	0.5			ML		2' - 8' Tan SILT, damp, trace black staining mottled.		No groundwater sample collected at this location.
3			0.1					3' saturated		
4			0.2							
5			0.4							
6			0.4							
7			0.9							
8								5' trace fine-grained sand		
9		57	0.2							
10			0.1							
11			0.8							
12			5.4	05-MET-028		SP		8' - 8.5' Grayish brown fine to medium-grained SAND, saturated, very slight HC odor.		
13			0.4			SM		8.5' - 10' Grayish brown fine-grained SAND and SILT, trace subrounded gravel, saturated.		
14			0.8							
15			0.3			GW		10' - 11' Reddish brown fine to medium-grained GRAVEL, some coarse-grained sand, little silt, trace saprolite rip-up clast and mica, saturated.		
16			0.2			ML				
17			0.0					11' - 17.75' Gray becoming orange brown SILT, little clay, trace subrounded to rounded coarse-grained gravel, saturated.		
18		45	0.0							
			0.0							
			0.0							
			0.0							
			0.0							
			0.0							
			0.0							

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**Boring ID: 05-MET-029**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North of Drum Reclaim Building

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 15.8

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 8.5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 0.5' Brown (10YR 4/3) SAND and fine-grained GRAVEL, little silt and concrete, damp		
1			0.0			FILL		0.5' - 1' CONCRETE		
2	36		0.0			FILL		1' - 1.5' Blank stained brown (10YR 4/3) SAND and fine-grained GRAVEL, little silt and concrete, damp		
			1.5			ML		1.5' - 2' CONCRETE		
			10.7	05-MET-029				2' - 8.5' Brown (10YR 4/3) SILT, little clay, trace fine-grained sand, damp, hard		Temporary Piezometer screened at 0 - 15' bgs
4			0.0							
5			0.0					5' wet		
6	42		0.0							
7			0.0							
8			0.0							
9			0.2			ML		8.5' - 9.5' Brown (10YR 4/3) SILT, some fine-grained sand, little fine-grained gravel and clay, saturated		
10	36		0.1			SM		9.5' - 14' Brown (10YR 4/3) SAND and SILT, saturated, trace mica		
11			0.6							
12			0.1							
13			0.2							
14	36		0.1			GW		14' - 14.5' GRAVEL		
15			0.2			SP		14.5' - 15' Yellowish brown (10YR 5/6) coarse-grained SAND, trace silt and fine-grained sand, saturated		
16										

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**Boring ID: 05-MET-030**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** East Side of Drum Reclaim Building

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 15.5

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5.5

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.3			FILL		0' - 1' Very dark brown SILT, some crushed gravel, damp, trace glass fragments.		
1			0.1			ML		1' - 5.5' Tan SILT, trace clay, damp.		
2		45	0.1							
			0.6							
3			22.5					3' moist		Temporary Piezometer screened 0-9' bgs
4										
5			3.7							
6			33.4			SM		5.5' - 6.75' Gray SILT and fine-grained SAND, saturated.		
			37.6							
7		60	50.2	05-MET-030		SP		6.75' - 9' Gray fine-grained SAND, trace silt, saturated, heavy sheen.		
			49.5							
8			5.0							
			4.9							
9			4.7			SP		9' - 10' Tan fine-grained SAND, little subrounded to subangular gravel, saturated.		
			0.9							
10			0.4			ML		10' - 11' Tan SILT, trace subrounded gravel, saturated.		
			0.3							
11			0.1			SP		11' - 11.5' Tan fine to medium-grained SAND, trace fine-grained gravel, saturated.		
			0.4			ML				
12		45	0.5					11.5' - 13.75' Tan and light gray mottled SILT, little subrounded to subangular gravel, damp.		
			0.4							
13			0.2							
			0.1							
14										
15										



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**Boring ID: 05-MET-031**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/11/2005

**Date Finished:** 8/11/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** South Side of Drum Reclaim Building

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 14.5

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 1.75

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.5	05-MET-031		FILL		0' - 1' Brown (10YR 4/3) SAND and SILT, little fine-grained gravel, concrete and brick		Temporary Piezometer screened at 0 - 15' bgs
1			0.7			FILL		1' - 9' SLUDGE, wet, sheen, slight hydrocarbon odor, droplets of NAPL in groundwater		
2	24		5.6					1.75' saturated		
3			8.4							
4			2.4							
5			28.0							
6	24		46.0							
7			40.7							
8			19.5							
9			23.3			ML		9' - 10.75' Olive gray (5Y 4/3) SILT, some clay, trace fine-grained sand, saturated, slight hydrocarbon odor, NAPL in pockets		
10	36		62.2							
11			73.7			ML		10.75' - 14' Olive gray (5Y 4/3) SANDY SILT, little clay, saturated, slight hydrocarbon odor, NAPL in veins		
12			91.7							
13			149							
14	30		80.2			SW		14' - 15' Olive gray (5Y 4/2) GRAVELLY SAND, coarse-grained sand and subrounded to rounded medium to coarse-grained quartz gravel, saturated		
15			49.7							
16			25.2							
			16.4							
			7.8							

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**Boring ID: 05-MET-032**

Page 1 of 1

**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/11/2005

**Date Finished:** 8/11/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** South Side of Drum Reclaim  
Building

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 14.8

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.3	05-MET-032		FILL		0' - 0.5' Gray (10YR 6/1) fine to medium-grained SAND, little slag and brick		Temporary Piezometer screened at 0 - 15' bgs
1			1.5			FILL		0.5' - 9' Black stained angular to subangular fine to medium-grained GRAVEL and BRICK, wet		
2	18		0.2							
3			1.0							
4			20.9					4' saturated		
5			28.5							
6	18		9.2							
7										
8			7.8							
9			8.4							
10	36		17.8	05-MET-032		ML		9' - 14' Olive gray (5Y 4/2) mottled with brown (10YR 5/3) SILT, little clay, trace fine-grained sand, saturated, brown NAPL in pockets		
11			9.4					10.5' wet		
12			16.2							
13			7.5							
14	36		10.3							
15			8.7							
16			16.5							
17			4.9							
18			0.5			SW		14' - 15' Olive gray (5Y 4/2) GRAVELLY SAND, coarse-grained sand and subrounded to rounded medium to coarse-grained quartz gravel, saturated		
19			0.2							

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**Boring ID: 05-MET-033**

Page 1 of 1

**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/11/2005

**Date Finished:** 8/11/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** South Side of Drum Reclaim  
Building

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.2

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 1.75

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1.5' Gray (10YR 6/1) fine to medium-grained SAND, little slag and brick		
1			0.2							
			0.5							
			0.0			FILL		1.5' - 1.75' CONCRETE		
2	24					FILL		1.75' - 5.5' saturated, sheen, slight hydrocarbon odor		Temporary Piezometer screened at 0 - 12' bgs
3										
4			24.5							Groundwater pH = 5
			70.5							
5										
6	18							5.5' - 8' No recovery		
7										
8			80.5			ML		8' - 11' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled SILT, little clay and fine-grained sand, saturated		
9			60.8	05-MET-033						
			74.5							
10	36		30.4					10' damp		
			26.7							
11			7.4							
12										



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**Boring ID: 05-MET-034**

Page 1 of 1

**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** South Side of Drum Reclaim  
Building

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 15.2

**Total Depth (ft):** 25.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0	05-MET-034		FILL		0' - 2' Brown SILT, little angular road base gravel, damp.		Temporary Piezometer screened 0-17' bgs
			0.0							
			0.2							
			1.0							
	42		0.0			FILL		2' - 5.5' Black SILT and crushed COKE, CONCRETE and GRAVEL, damp, sulfur-like odor.		
			87.9							
			61.9					4' saturated		
5			109			ML		5.5' - 13.75' Grayish brown SILT mottled with black staining, saturated.		
			396							
	45		219							
			117							
			183							
			248							
			311							
10			367	05-MET-034						Temporary Piezometer screened 0-17' bgs
			341							
			183							
	51		383					12' saturated with brown LNAPL, chemical odor		
			332			ML		13.75' - 16' Black stained SILT, saturated.		
			209							
			97.8							
15			68.7	05-MET-034V		SW		16' - 18' Dark gray stained medium-grained SAND, some subrounded to subangular quartz gravel, saturated, chemical odor.		Temporary Piezometer screened 0-17' bgs
			65.7							
			59.4							
	54		10.8							
			109							
			10.8							
			8.9					18' - 25' SAPROLITE, stained dark to black 18.75-19		
			9.7					19' pale yellow, very soft		
20			1.8					20.5' yellowish orange, very weathered		
			0.3							
			1.3							
	36		1.2							
25										

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**Boring ID: 05-MET-035**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** South Side of Drum Reclaim Building

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 15.3

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.2	05-MET-035		FILL		0' - 5.75' Black stained crushed SLAG, GRAVEL, and BRICK, dry.		
1			2.1							
			0.0							
2		42	0.0					2' saturated		
3			2.7							
			16.2							
4										
5			26.3					5' sulfur-like odor		
6			58.4			ML		5.75' - 7.25' Brown SILT, saturated with brown LNAPL.		Temporary Piezometer screened 5-15' bgs
			23.1							
7		57	30.8			ML		7.25' - 11' Gray SILT, wet, trace brown LNAPL.		
8			8.8							
			45.8							
9			246							
			51.7							
10			45.1							
11			18.7			GW		11' - 15.5' Gray subrounded to rounded GRAVEL, some medium to coarse-grained sand, saturated, brown LNAPL present.		
		48	31.6							
12			129							
			84.9							
13			57.1							
14										
15			12.0			ML		15.5' - 16.25' Pink and gray laminated SILT, trace rounded quartz gravel, saturated, brown LNAPL present.		
16			1.5			ML		16.25' - 17.8' Orange SILT, saturated.		
			0.0							
17			0.0							
		36	0.0							
18								17.8' - 18' SAPROLITE		
19										
20										

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**Boring ID: 05-MET-036**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Southeast Corner of Drum Reclaim Building

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 15.3

**Total Depth (ft):** 19.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2.5

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2' Brown SILT, some subrounded to subangular gravel and concrete, trace brick, wet at 1.5', trace organic material.		
1			0.0							
2		48	0.2			ML		2' - 9.5' Tan SILT, wet, trace black mottling. 2.5' saturated		
3			0.0							
4			0.0							
5			0.0							
6			2.8							
7		60	6.0							
8			2.0							
9			3.1							
10			2.1							
11			7.9							
12			5.6							
13			25.0			ML		9.5' - 14' Gray SILT, some fine-grained sand, saturated, trace yellow LNAPL, trace sheen at 9.75. 10.5' some subrounded gravel		
14		51	4.3							
15			3.5							
16			11.1							
17			9.3							
18			1.3							
19			9.4							
20						ML		14' - 17.5' Gray SILT, trace subrounded gravel, saturated, trace yellow LNAPL in pockets, sheen.		
21			0.6							
22			0.2	05-MET-036						
23			0.0							
24		48	0.0			GM		17.5' - 18' Orange brown SILT and GRAVEL, some fine to medium-grained sand, saturated.		
25			0.0					18' - 19' SAPROLITE		
26										

Temporary  
Piezometer  
screened 5-15'  
bgs



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**Boring ID: 05-MET-037**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/19/2005

**Date Finished:** 8/19/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 17.1

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0				FILL	0' - 3' Brown (10YR 4/3) SAND and fine-grained GRAVEL, damp 0.5' black staining		Temporary Piezometer screened at 0 - 15' bgs
1			0.0							
2		36	0.0							
3			0.0					3' - 4' No recovery		
4			0.0	05-MET-037		ML		4' - 14.5' Black stained SANDY SILT, little clay, saturated, slight hydrocarbon odor, soft		
5			0.0					5' no staining, brown (10YR 4/3) and olive gray (5Y 4/2) mottled, damp, hard		
6		42	0.0							
7			0.0					7' color grades to gray (10YR 5/1)		
8			0.0							
9			0.0							
10		42	0.0							
11			0.0							
12			0.0							
13			0.0							
14		42	0.0							
15			0.0			GW		14.5' - 15.5' Brown (10YR 4/3) coarse-grained SAND and fine to coarse-grained quartz GRAVEL, saturated, trace mica		
16			0.0							

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**Boring ID: 05-MET-038**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/19/2005

**Date Finished:** 8/19/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 17.9

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1' Brown (10YR 4/3) SILT, little fine-grained sand and gravel, dry		
1			0.0			FILL		1' - 4.5' Black [REDACTED]		
2	30		0.0					2' saturated		No groundwater collected at this location
3			0.0							
4			2.6							
5			4.8	05-MET-038		ML		4.5' - 11.5' Gray (5Y 5/1) mottled with brown (10YR 4/3) SILT, little clay, trace fine-grained sand, damp, firm		
6	42		0.0							
7			0.0							
8			0.0							
9			0.0					9' saturated		
10	42		0.0							
11			0.0							
12			0.0							

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**Boring ID: 05-MET-039**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/19/2005

**Date Finished:** 8/19/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 18.5

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 3

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1' Brown (10YR 4/3) SAND and fine-grained GRAVEL, damp		
1			0.0			FILL		1' - 2.5' Brown (10YR 4/3) SILT, little fine-grained sand, damp, hard, trace rootlets		
2	36		0.0							
			0.0							
3			0.0	05-MET-039		FILL		2.5' - 3.5' Black stained coarse-grained SAND and fine-grained GRAVEL, some slag, damp 3' saturated		
4			0.0					3.5' - 8' No recovery Rock stuck in sampler		
5										
6	6									
7										
8			0.0			ML		8' - 11' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled SILT, little fine-grained sand, trace clay, saturated		
9			0.0							
			0.0							
10	36		0.0							
			0.0							
11			0.0			ML		11' - 12' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled SANDY SILT, some fine-grained sand, trace clay, saturated		
12										

No groundwater collected at this location



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**Boring ID: 05-MET-040**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 19.0

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0	05-MET-040S		FILL		0' - 1' Brown (10YR 4/3) SILT, some concrete and brick, little fine-grained sand, damp		Temporary Piezometer screened at 0 - 14' bgs
1			0.0			FILL		1' - 1.5' Black stained fine-grained GRAVEL, BRICK, COAL and SLAG, damp		
2	36		0.0			ML		1.5' - 5' Brown (10YR 4/3) SANDY SILT with GRAVEL, fine-grained sand and fine to medium-grained gravel, wet		
3			0.0							
4			0.0							
5			0.0	36		ML		5' - 6' Olive gray (5Y 4/2) SILT, little fine to medium-grained sand and clay, saturated, soft		
6			0.0			ML		6' - 14.5' Olive gray (5YR 4/2) and brown (10YR 4/3) mottled SILT, little clay, damp, hard		
7			0.0							
8			0.0					8' wet		
9			0.0							
10	42		0.0	36				10' damp, firm		
11			0.0							
12			0.0					12' color grades to pale brown (10YR 6/3)		
13			0.0							
14			0.0							
15			0.0			SW		14.5' - 15' Pale brown (10YR 6/3) fine to medium-grained SAND and medium to coarse-grained quartz GRAVEL, little silt, saturated, trace mica		Refusal at 15' bgs
16										

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**Boring ID: 05-MET-041**

Page 1 of 1

**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/23/2005

**Date Finished:** 8/23/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 16.6

**Total Depth (ft):** 12.0 '

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 8.5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2' Brown (10YR 4/3) SILT, fine-grained SAND, little fine-grained gravel and brick, damp		
1			0.0							
2		48	0.0	05-MET-041		ML		2' - 10.5' Brown (10YR 4/3) SILT, little clay, trace fine-grained sand, damp, soft		No groundwater collected at this location
3			0.0							
4			0.0							
5			0.0							
6		48	0.0							
7			0.0							
8			0.0							
9			0.0					8.5' saturated		
10		36	0.0							
11			0.0			SW		10.5' - 11' Olive gray (5Y 4/2) medium to coarse-grained SAND and fine to medium-grained GRAVEL, saturated		
12										

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**Boring ID: 05-MET-042**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/19/2005

**Date Finished:** 8/19/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 16.7

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5.5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 0.5' Gray (10YR 5/1) SAND and fine-grained GRAVEL, wet		
1			0.0			FILL		0.5' - 1.5' Brown (10YR 4/3) SILT, little fine-grained sand, damp		
2	30		11.6	05-MET-042/05-MET-042A		FILL		1.5' - 2' Gray (10YR 5/1) SAND and fine-grained GRAVEL, wet		
3			2.5			ML		2' - 10' Gray (10Yr 5/1) and brown (10YR 4/3) mottled SILT, little fine-grained sand, damp, firm		Temporary Piezometer screened at 0 - 12' bgs
4			0.0							
5			0.0							
6	48		0.0					5.5' saturated, firm		
7			0.0							
8			0.0					7' color grades to gray (10YR 5/1), damp		
9			0.0							
10	48		0.0			SP		10' - 11.5' Brown (10YR 4/3) fine to medium-grained SAND, little silt, saturated, trace mica		
11			0.0							
12			0.0			SW		11.5' - 12' Brown (10YR 4/3) fine to medium-grained SAND and quartz GRAVEL, saturated		
13										
14										



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**Boring ID: 05-MET-043**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/19/2005

**Date Finished:** 8/19/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 17.2

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 1.75

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 0.5' Brown (10YR 4/3) SILT, little fine-grained sand and gravel, dry		
			0.0			FILL		0.5' - 1.25' CONCRETE		
1			0.0			ML		1.25' - 4.5' Black stained SILT, fine to coarse-grained SAND and fine-grained GRAVEL		
2	24		0.0					1.75' saturated		No groundwater collected at this location
3										
4			0.0	05-MET-043		ML		4.5' - 10' Olive gray (5Y 4/2) SILT, little clay, trace fine-grained sand, saturated, hard		
5			0.0					5' damp, firm		
6	42		0.0							
7			0.0							
8			0.0							
9			0.0							
10	36		0.0			SW		10' - 11' Brown (10YR 4/3) coarse-grained SAND and medium to coarse-grained quartz GRAVEL, saturated		
11			0.0							
12			0.0							

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**Boring ID: 05-MET-044**

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**Project Name:** Former Metro Container Investigation  
**Location:** Trainer, PA  
**Project Number:** 2111133.010101  
**Date Started:** 8/22/2005  
**Date Finished:** 8/22/2005  
**Drilling Method:** Geoprobe Truck Rig  
**Sampling Method:** Geoprobe Macrocore  
**State Permit Number:** NA

**Boring Location:** Drum Storage Area  
**Drilling Company:** ECDI [REDACTED]  
**Ground Elevation (ft/msl):** 17.6  
**Total Depth (ft):** 15.0'  
**Boring Diameter (in):** 2"  
**Water Level During Drilling (ft/bgs):** 12  
**Weather Conditions:** NA  
**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0	05-MET-044		FILL		0' - 2' Brown (10YR 4/3) SILT, some concrete and brick, little fine-grained sand, damp		Temporary Piezometer screened at 0 - 15' bgs
1			0.0							
2	36		0.0			ML		2' - 4.5' Black stained SILT and fine-grained SAND, some fine-grained gravel, wet, moderate hydrocarbon odor		
3			0.1							
4			1.2			ML		4.5' - 13' Partially black stained SILT, little clay, damp, soft		
5			12.7							
6	42		0.3							
7			0.1					7' damp, firm		
8			0.1							
9			0.0							
10	36		0.0					9' mottled with brown (10YR 4/3)		
11			0.0							
12			0.0					12' saturated		
13			0.0			SW		13' - 15' Brown (10YR 4/3) medium to coarse-grained SAND, and fine to coarse-grained quartz GRAVEL, saturated, trace mica		
14	36		0.0							
15			0.0							Refusal at 15' bgs
16										

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**Boring ID: 05-MET-045**

Page 1 of 1

**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.6

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 7

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2' Slight black stained brown (10YR 4/3) SAND and fine-grained GRAVEL, little concrete, silt, brick, slag, coal		
1			0.0							
			0.0							
			0.0	05-MET-045S						
2	30		0.0			ML		2' - 7' Brown (10YR 4/3) SILT, little clay, trace fine to medium-grained sand, wet, trace mica		Temporary Piezometer screened at 0 - 12' bgs
3			0.0							
4			0.0							
5			0.0							
6	42		0.0							
7			0.0			SW		7' - 10' Brown (10YR 4/3) medium to coarse-grained SAND, little fine-grained gravel and silt, saturated		
8			0.0							
9			0.0							
10	42		0.0			SW		10' - 11' Brown (10YR 4/3) medium to coarse-grained SAND and medium to coarse-grained quartz GRAVEL, saturated, trace mica		
11			0.0			ML		11' - 11.5' Brown (10YR 4/3) SILT, little clay, trace fine to medium-grained sand, saturated, trace mica		
12										



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**Boring ID: 05-MET-046**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/23/2005

**Date Finished:** 8/23/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.9

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 6

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1' Brown (10YR 4/3) SILT, fine-grained SAND and CONCRETE		
1			0.0			FILL		1' - 1.5' BRICK		
2	36		0.0			ML		1.5' - 6' Brown (10YR 4/3) SILT, trace clay and fine-grained sand, damp, firm		
3			0.0							
4			0.0							
5			0.0							
6	36		0.0	05-MET-046		SP		6' - 9' Brown (10YR 4/3) medium to coarse-grained SAND, saturated		
7			0.0							
8			0.0							
9			0.0			SW		9' - 11' Brown (10YR 4/3) medium to coarse-grained SAND and medium to coarse-grained GRAVEL, saturated		
10	36		0.0							
11			0.0							
12										

No groundwater collected at this location

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**Boring ID: 05-MET-047**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/19/2005

**Date Finished:** 8/19/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 16.8

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2.75

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2' Brown (10YR 4/3) SILT, little fine-grained sand and gravel, dry		
1			0.0							
2		36	0.0	05-MET-047		ML		2' - 4.5' Black stained SILT, SAND and fine-grained GRAVEL 2.75' saturated		Temporary Piezometer screened at 0 - 15' bgs
3			0.0							
4			0.0			ML		4.5' - 5' Black stained SILT, little clay, trace fine-grained sand, wet		
5			0.0			ML		5' - 10' Black stained SILT, some clay, trace fine-grained sand, saturated, soft		
6		42	0.0							
7			0.0					7' damp, firm		
8			0.0							
9			0.0							
10		36	0.0			SW		10' - 13' Brown (10YR 4/3) coarse-grained SAND and medium to coarse-grained quartz GRAVEL, saturated		
11			0.0							
12			0.0							
13			0.0			ML		13' - 14' Strong brown (5YR 5/6) SILT, little clay and fine to coarse-grained sand, saturated, firm		
14		42	0.0			SW		14' - 15.5' Brown (10YR 4/3) coarse-grained SAND and medium to coarse-grained quartz GRAVEL, saturated		
15			0.0							
16			0.0							

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**Boring ID: 05-MET-048**

Page 1 of 1

**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 17.3

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 9

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0	05-MET-048		FILL		0' - 2' Brown (10YR 4/3) SILT, some concrete and brick, little fine-grained sand, damp		Temporary Piezometer screened at 0 - 15' bgs
1			0.0							
2	42		0.0			FILL		2' - 3' Black stained SILT and fine to coarse-grained SAND, some slag, wet		
3			0.0			ML		3' - 9' Partially black stained olive gray (5Y 4/2) SILT, little clay, trace fine-grained sand, soft, wet		
4			0.2							
5			0.2							
6	42		0.0							
7			0.3							
8			0.0					7' trace clay, damp		
9			0.0							
10	36		0.3			SM		9' - 13' Brown (10YR 4/3) SILT and fine-grained SAND, saturated, soft, trace mica		
11			0.0							
12			0.2							
13			0.2							
14	36		0.0			SW		13' - 15' Brown 910YR 4/3) medium to coarse-grained SAND and fine to coarse-grained quartz GRAVEL, saturated, trace mica		
15			0.3							
16			0.0							



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**Boring ID: 05-MET-049**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.6

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 11

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1' Slight black stained brown (10YR 4/3) SAND and fine-grained GRAVEL, little concrete, silt, brick, slag and coal		
1			0.0					1' - 4' No recovery Rock stuck in sampler		
2	12									
3										
4			0.0			ML		4' - 11' Slightly black stained olive gray (5Y 4/2) and brown (10YR 4/2) mottled SILT, little clay, trace fine-grained sand, damp, hard		
5			1.2	04-MET-049/ 05-MET-049A				5' no staining		
6	42		0.0							
7			0.0							
8			0.0							
9			0.0							
10	42		0.0							
11			0.0			SM		11' - 11.5' Olive gray (5Y 4/2) SILT and fine-grained SAND, little clay, saturated, trace mica		
12			0.0							

No groundwater collected at this location

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**Boring ID: 05-MET-050**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 16.2

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 11.5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1.5' Slight black stained brown (10YR 4/3) SAND and fine-grained GRAVEL, little concrete, silt, brick, slag and coal		
1			0.0							
2	24		1.5	05-MET-050S		FILL		1.5' - 2' Partially black stained olive gray (5Y 4/2) SILT, little clay, fine-grained sand, slag and coal, wet, slight hydrocarbon odor		Temporary Piezometer screened at 0 - 15' bgs
3								2' - 4' No recovery		
4			0.0			ML		4' - 11.5' Brown (10YR 4/3) and olive gray (5Y 4/2) mottled SILT, little clay, trace fine-grained sand, damp, firm		
5			0.0							
6	48		0.0							
7			0.0							
8			0.0							
9			0.0							
10	42		0.0							
11			0.0							
12			0.0			SW		11.5' - 14' Brown (10YR 4/3) medium to coarse-grained SAND and medium to coarse-grained quartz GRAVEL, saturated, trace mica		
13			0.0							
14	24		0.0							
15										
16										

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**Boring ID: 05-MET-051**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 17.0

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4.5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2.5' Slightly black stained brown (10YR 4/3) SAND and fine-grained GRAVEL, little concrete, silt, brick, slag and coal, damp		
1			0.0							
2		36	0.0							
3			0.0			FILL		2.5' - 5' Black stained SAND and fine to medium-grained GRAVEL, [REDACTED] COAL, wet, slight hydrocarbon odor		
4			9.0							
5			0.3	05-MET-051		ML		4.5' saturated		
6		36	0.0			ML		5' - 5.5' Dark gray (5Y 4/2) SILT, some clay, trace fine-grained sand, saturated, soft		
7			0.0					5.5' - 11.5' Olive gray (5Y 4/2) and brown (10YR 4/2) mottled SILT, little clay and fine-grained sand, damp, hard		
8			0.0							
9			0.0							
10		42	0.0							
11			0.0							
12			0.0							



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**Boring ID: 05-MET-052**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 17.3

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1.25' Brown (10YR 4/3) SAND and fine-grained GRAVEL, little silt, trace concrete		
1			0.0			FILL		1.25' - 4.5' Partially black stained olive gray (5Y 4/2) SILT and SAND, little gravel, wet, soft		
2	18		0.0							
3			0.0							
4			1.6	05-MET-052				4' saturated, some slag		
5			0.0			ML		4.5' - 14' Partially black stained olive gray (5Y 4/2) SILT, little clay, trace fine-grained sand, soft		
6	36		0.0							
7			0.0					6.5' no staining, mottled with brown (10YR 4/3), damp		
8			0.0							
9			0.0							
10	42		0.0							
11			0.0					11' saturated		
12			0.0							
13			0.0							
14	42		0.0			SP		14' - 15.5' Yellowish brown (10YR 5/4) fine to medium-grained SAND, little silt, saturated, trace mica		
15			0.0	05-MET-052V						
16										

Temporary  
Piezometer  
screened at 0 -  
15' bgs

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**Boring ID: 05-MET-053**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/23/2005

**Date Finished:** 8/23/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.3

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5.5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2' Brown (10YR 4/3) SAND and fine-grained GRAVEL. little silt, trace concrete, damp		
1			0.0							
2		36	0.0			FILL		2' - 5' Brown (10YR 4/3) fine to medium-grained SAND and GRAVEL, damp		Temporary Piezometer screened at 0 - 15' bgs
3			0.0							
4			0.0							
5			0.0			FILL		5' - 5.5' BRICK		
6		42	0.0	05-MET-053		FILL		5.5' - 6' Black stained SAND, SILT and saturated, slight hydrocarbon odor		
7			0.0			ML		6' - 13' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled SILT, trace clay and fine-grained sand, damp, firm		
8			0.0							
9			0.0							
10		42	0.0							
11			0.0							
12			0.0							
13			0.0					12.5' little fine-grained sand, saturated		
14		30	0.0					13' - 15' SAPROLITE, wet		
15			0.0							
16										

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335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-054**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/23/2005

**Date Finished:** 8/23/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.5

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2' Brown (10YR 4/3) SILT, SAND, fine-grained GRAVEL, little concrete and brick, damp		
1			0.0							
2		36	0.0	05-MET-054		FILL		2' - 5' Partially black stained olive gray (5Y 4/2) SILT and SAND, little slag, damp		No groundwater collected at this location
3			0.0							
4			0.0					4' saturated		
5			0.0			ML		5' - 11.5' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled SILT, little clay, damp, firm		
6		42	0.0							
7			0.0							
8			0.0							
9			0.0							
10		42	0.0							
11			0.0					10.5' color grades to pale brown (10YR 6/3)		
12			0.0							



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**Boring ID: 05-MET-055**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/23/2005

**Date Finished:** 8/23/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.5

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 12.5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1' Brown (10YR 4/3) SAND and SILT, trace fine-grained gravel, damp, trace rootlets		
1			0.0			FILL		1' - 1.5' Brown (10YR 4/3) SAND and fine-grained GRAVEL, little silt, trace concrete		
2	36		0.0			FILL		1.5' - 5.5' Black SLAG, SILT and SAND, wet, slight hydrocarbon odor		
3			0.0							
4			0.0							
5			0.0	05-MET-055						
6	36		0.0			ML		5.5' - 14.5' Very dark grayish brown (10YR 3/2) SILT, little clay and fine-grained sand, damp, firm		
7			0.0							
8			0.0							
9			0.0					8.5' color grades to olive gray (5Y 4/2)		
10	42		0.0							
11			0.0							
12			0.0							
13			0.0					12.5' little fine-grained sand and clay, saturated, soft		
14	42		0.0							
15			0.0			SW		14.5' - 15.5' Brown (10YR 4/3) medium to coarse-grained SAND and fine to medium-grained quartz GRAVEL, saturated, trace mica		
16			0.0					15.25' color grades to olive gray (5Y 4/2)		
17										
18										

Temporary  
Piezometer  
screened at 0 -  
15' bgs

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**Boring ID: 05-MET-056**

Page 1 of 1

**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/23/2005

**Date Finished:** 8/23/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 15.8

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 14

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			2.1	05-MET-056S		FILL		0' - 0.5' Black stained SILT, SAND and fine-grained GRAVEL, damp, trace mica		
1			0.5			FILL		0.5' - 1' CONCRETE		
			0.8			FILL		1' - 6' Black stained SILT, SAND and fine-grained GRAVEL, wet, trace mica		
2		36	0.0	05-MET-056						Temporary Piezometer screened at 0 - 16' bgs
			0.0							
3			0.0							
4			0.0	05-MET-056						
5			0.0							
6		36	0.0			ML		6' - 14' Olive gray (5Y 4/2) SILT, little clay, wet, soft		
7			0.0							
8			0.0							
9			0.0							
10		36	0.0					9.5' wet, firm		
11			0.0							
12			0.0							
13			0.0							
14		36	0.0			SW		14' - 15' Brown (10YR 4/3) medium to coarse-grained SAND and medium to coarse-grained GRAVEL, saturated		
15			0.0							
16										

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**Boring ID: 05-MET-057**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/16/2005

**Date Finished:** 8/16/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Inside Drum Reclaim Building

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 14.5

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 1.5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			79.4			FILL		0' - 1' Brown SILT and crushed CONCRETE, damp.		
1			96.2			FILL		1' - 6.5' Black crushed CONCRETE, BRICK and GRAVEL, little silt, saturated at 1.5'.		
2	48		129							
3			112							
4			121							
5			8.0							
6			9.5							
7	48		16.2			ML		6.5' - 12.5' Gray and tan mottled SILT, saturated, foul odor.		
8			39.8							
9			61.7							
10			51.4							
11			22.0							
12			22.8	05-MET-057						
13	51		237			GW		12.5' - 17' Gray medium to coarse-grained SAND and quartz GRAVEL and PEBBLES, saturated.		
14			164							
15			43.7							
16			70.6							
17			22.4							
18	24		1.7							
19			1.5							
20			2.1							
			1.8							

No groundwater sample collected at this location.



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**Boring ID: 05-MET-058**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/16/2005

**Date Finished:** 8/16/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Inside Drum Reclaim Building

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 13.5

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5.5

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			2.0			FILL		0' - 0.75' Dark brown SILT and SAND, little gravel, damp.		
1						FILL		0.75' - 1.25' CONCRETE		
2		30	8.7			FILL		1.25' - 5.5' Very dark brown to black crushed BRICK, ( ) and GRAVEL, little silt, damp.		Temporary Piezometer screened 1.5-16.5' bgs
3			7.7							
4			6.3							
5			80.0			ML		5.5' - 12.75' Tan and gray mottled SILT, saturated, chemical odor.		
6			76.4							
7		60	80.3							
8			57.8							
9			196							
10			124							
11			85.1							
12			97.6							
13			7.6							
14			5.8							
15		48	187	05-MET-058		SM		12.75' - 15.75' Gray SILT and fine-grained SAND, trace fine-grained rounded gravel, saturated, chemical odor.		
16			196							
17			223							
18			56.4							
19			74.6							
20			8.7			GW		15.5' coarse-grained sand lamination with black staining		
21			176					15.75' - 18.5' Quartz and quartzite GRAVEL and PEBBLES, little medium to coarse-grained sand and silt, saturated, chemical odor.		
22			187							
23		42	7.9							
24			8.3							
25			5.7							

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**Boring ID: 05-MET-059**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/17/2005

**Date Finished:** 8/17/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North Side of Drum Reclaim Building

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.5

**Total Depth (ft):** 25.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0										
		0						0' - 5' No Recovery: Sleeve jammed in tube due to thick concrete at surface		
5			19.8 3.0 6.0 10.6 50.1 85.2 43.8 67.9					5' - 5.5' Crushed CONCRETE, BRICK and SLAG, saturated. 5.5' - 15' Tan and gray mottled SILT, trace fine-grained sand, saturated, brown NAPL in fractures.		Temporary Piezometer screened 5-20' bgs
10		48	76.1 28.1 23.2 23.5 82.8 5.5 19.0 84.4					12' little subangular to angular gravel to 12.5' 13' little fine-grained sand		
15			156 87.9 232 424 109 188	05-MET-059		SP		15' - 17' Gray fine-grained SAND, some silt, saturated, yellow NAPL, chemical odor.		
		42				GM		17' - 20' Subangular to subrounded GRAVEL and medium-grained SAND, saturated, yellow NAPL present.		
20			4.1 2.1 1.7 1.4 1.2 1.2 1.1	05-MET-059V				20' - 25' SAPROLITE		
25		36								

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Malvern, Pennsylvania 19355

**Boring ID: 05-MET-060**

Page 1 of 2

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/16/2005

**Date Finished:** 8/16/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North Side of Drum Reclaim Building

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 14.5




**Total Depth (ft):** 35.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks	
0			51.0	05-MET-060S		FILL		0' - 1' Disturbed tan and gray mottled SILT		No groundwater sample collected at this location.	
1			106			ML		1' - 14.5' Tan and gray mottled SILT, damp.			
2		42	92.8								
3			61.0								
4			>9999	05-MET-060/ 05-MET-060A							
5			6753								
6			>9999					5' saturated, saturated with yellow NAPL to 7'			
7			>9999								
8		60	>9999								
9			4792								
10			>9999								
11			6732	05-MET-060B							
12			369								
13			259								
14			300								
15			374			SM		14.5' - 18' Gray SILT and fine-grained SAND, saturated, saturated with yellow NAPL to 25', strong chemical odor.			
16			352								
17			199								
18		51	185								
19			599	05-MET-060B							
20			9416								
21			>9999								
22			709								
23			>9999	05-MET-060B							
24			>9999								
25			>9999								
26			7909								
27			>9999	05-MET-060B							
28			>9999								
29			9809								
30			709								
31			>9999	05-MET-060B							
32			>9999								
33			>9999								
34			>9999								
35			>9999	05-MET-060B							
36			>9999								
37			>9999								
38			>9999								
39			>9999	05-MET-060B							
40			>9999								
41			>9999								
42			>9999								
43			>9999	05-MET-060B							
44			>9999								
45			>9999								
46			>9999								
47			>9999	05-MET-060B							
48			>9999								
49			>9999								
50			>9999								
51			>9999	05-MET-060B							
52			>9999								
53			>9999								
54			>9999								
55			>9999	05-MET-060B							
56			>9999								
57			>9999								
58			>9999								
59			>9999	05-MET-060B							
60			>9999								
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62			>9999								
63			>9999	05-MET-060B							
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65			>9999								
66			>9999								
67			>9999	05-MET-060B							
68			>9999								
69			>9999								
70			>9999								
71			>9999	05-MET-060B							
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75			>9999	05-MET-060B							
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228			>9999								
229			>9999	05-MET-060B							
230			>9999								
231			>9999								
232											



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**Boring ID: 05-MET-060**

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Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
20			650							
21			346							
			1349							
22			1217							
		54	1975							
23			1440							
			649							
24			843							
25			242							
26			257							
			482							
27			38.6							
		54	16.4							
28			16.2							
			382							
29										
30			48.8							
31			56.9							
32			51.3							
		54	86.2							
33			22.2							
			10.0							
34				05-MET-060V						
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										

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335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-061**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Inside Drum Reclaim Building

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 14.5

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 0

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			14.2			FILL		0' - 0.5' Dark brown SILT and fine-grained SAND, trace medium to coarse-grained sand and gravel, saturated.		
1			209			FILL		0.5' - 0.75' CONCRETE (bottom of drainage ditch)		
2			15.0			FILL		0.75' - 8.75' Black crushed GRAVEL and little silt, saturated, dark brown NAPL throughout, sheen.		No groundwater collected at this location
3	24		7.7							
4										
5			0.8							
6			1.2							
7			2.2							
8	48		11.0	05-MET-061						
9			13.5			ML		8.75' - 13' Dark gray SILT, saturated, brown NAPL in fractures, trace organic material.		
10			9.3							
11			38.4							
12			22.1							
13	51		12.0							
14			7.1							
15			0.6							
			0.4			SM		13' - 14.25' Tan fine-grained SAND and SILT, little subrounded to subangular gravel, saturated.		
			0.2							

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Malvern, Pennsylvania 19355

**Boring ID: 05-MET-062**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Inside Drum Reclaim Building

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 14.5

**Total Depth (ft):** 7.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			2.0			FILL		0' - 1.75' Dark grayish brown SILT, SAND and GRAVEL, wet, trace crushed brick.		
1			55.6							
			690							
2			92.7			FILL		1.75' - 4' Crushed CONCRETE		
	48		107							Temporary Piezometer screened 0-7' bgs
3			59.2							
			59.4							
4						FILL		4' - 5' No Recovery		
5						FILL		5' - 5.25' Crushed BRICK and GRAVEL		
			31.4			FILL		5.25' - 7' Very dark brown crushed little silt, trace angular gravel, saturated.		
6			28.7	05-MET-062		FILL				
	24		12.2							Refusal at 7' bgs
			10.8							
7										



**MWH**

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335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-063**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Inside Drum Reclaim Building

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 14.5

**Total Depth (ft):** 7.0 '

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			2.0			FILL		0' - 1.25' Brown SILT and SAND, some fine to medium-grained gravel, wet.		
1			27.6			FILL		1.25' - 1.5' CONCRETE		
			678			FILL		1.5' - 2' Brown SILT, dry.		
2				05-MET-063		FILL		2' - 3.75' Black crushed ( ), saturated, slight sheen at 2'		No groundwater sample collected at this location.
	48		418							
3			180							
4			50.3			FILL		3.75' - 7' Light gray SILT (seems artificial), dry, firm		
5			210							
			127					5.5' brick		
6	24		224							Refusal at 7' bgs
			203							
7			79.4							

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**Boring ID: 05-MET-064**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005


**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Inside Drum Reclaim Building

**Drilling Company:** ECDI 

**Ground Elevation (ft/msl):** 14.5

**Total Depth (ft):** 6.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** 

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			97.4			FILL		0' - 1' Dark brown stained SILT, wet, slight chemical odor, trace blue paint chips.		
			92.0	05-MET-064S						
1			24.0			FILL		1' - 6' Crushed CONCRETE, trace brick, dry to damp.		
			10.2							
2		42	5.4							No groundwater sample collected at this location
			2.7							
3										
4										
5			71.0					5' saturated, black		Refusal at 6' bgs
		12	21.1							
			4.1							
6										

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**Boring ID: 05-MET-065**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Inside Drum Reclaim Building

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 14.5

**Total Depth (ft):** 29.5'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0	05-MET-065/065A		FILL		0' - 0.5' Dark brown SILT, some sand, wet.		No groundwater sample collected at this location
			0.0			FILL		0.5' - 5' Crushed CONCRETE, little brick, dry.		
	48		0.0							
			0.0							
			0.0							
			0.4							
5			0.0	05-MET-065/065B		FILL		5' - 7' Very dark brown crushed SLAG and GRAVEL, little silt, saturated.		
			0.6							
			1.2							
	57		2.0			ML		7' - 13' Very dark brown SILT, wet.		
			12.2					8.5' gray		
			17.9					10' strong HC odor to 29.5'		
10			86.3	05-MET-065/065C						
			225							
			290							
	54		220							
			233			SP		13' - 17.5' Grayish brown medium-grained SAND, little subangular to subrounded gravel and pebbles, saturated, strong HC odor.		
			372							
15			296	05-MET-065/065D						
			381							
	48		100							
			127			GW		17.5' - 20.5' Large PEBBLES and portions of COBBLES (fractured by drilling) (metamorphic conglomerate, quartz, quartzite), saturated, strong HC odor.		
			118					20.5' - 29.5' Green SAPROLITE, strong HC odor.		
			232							
20			227	05-MET-065/065E						
			308							
	57		241							
			192							
			188							
			705							
25			216	05-MET-065/065F						
			290							
	54		283							
			581							
			143							
			221							
30			222	05-MET-065/065G						Refusal at 29.5' bgs
			18.7							
			187							
			37.5							



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**Boring ID: 05-MET-066**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/15/2005

**Date Finished:** 8/15/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Inside Drum Reclaim Building

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 14.5

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 0

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.1			FILL		0' - 6' Dark brown crushed GRAVEL and SILT, saturated.		
1			22.1							
2			32.2					1.5' yellow crystalized rock		
3	24									
4										
5			6.2							
6			3.8			ML		6' - 13' Gray and tan mottled SILT, trace fine-grained sand, saturated.		Temporary Piezometer screened 5-15' bgs
7			4.2							
8	48		2.4							
9			1.8							
10			0.6							
11			4.0							
12										
13			1.0							
14			2.1							
15			4.7					11' little fine-grained sand		
16			6.3							
17	57		1.7							
18			70.2			SW		13' - 16' Gray fine to medium-grained SAND, little silt and subrounded to rounded gravel, saturated, yellow NAPL from 13' to 14.5'.		
19			22.3	05-MET-066						
20			30.7							
21			4.1							
22			0.3							
23			0.4			SP		16' - 18' Gray fine to medium-grained SAND, trace gravels, saturated.		
24			0.7							
25	48		1.0							
26			0.2							
27			32.3			SW		18' - 20' Gray fine to medium-grained SAND, some subangular gravels and pebbles (quartz/quartzite), saturated.		
28			45.7							
29										Refusal at 20' bgs
30										

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**Boring ID: 05-MET-068**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/17/2005

**Date Finished:** 8/17/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** South Side of Drum Reclaim Building

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 14.3

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 1.0

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.4				FILL	0' - 0.4' Brown fine-grained SAND and SILT, trace subrounded fine-grained gravel, wet.		
1			752				FILL	0.4' - 1' CONCRETE		
2		30	181					1' - 7' Black crushed SLAG and GRAVEL, some silt, saturated, dark NAPL or black coating, sheen.		No groundwater sample collected at this location
3			31.7							
4										
5			11.0							
6			9.6							
7		36	11.0			ML		7' - 15' Dark gray SILT, trace fine-grained sand, saturated, trace brown NAPL throughout (in voids and sand-rich areas).		
8			71.9							
9			8.5							
10			14.4							
11			32.8							
12		45	15.0							
13			23.3							
14			100							
15			27.3							
16			5.7							
17			3.6							
18										
19										
20										

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**Boring ID: 05-MET-069**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/17/2005

**Date Finished:** 8/17/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** South Side of Drum Reclaim Building

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 14.4

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5.5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.5			FILL		0' - 0.25' Brown SILT, little fine-grained sand, wet.		
1			2.3			FILL		0.25' - 1.25' CONCRETE		
2			0.5			FILL		1.25' - 5.5' Crushed BRICK		
3	24		0.4							No groundwater sample collected at this location
4										
5			0.3			FILL		5.5' - 6.75' Black fine to medium-grained SAND, saturated.		
6			14.1			FILL				
7			0.4			FILL		6.75' - 7.5' Black SILT, saturated.		
8	48		5.7			ML		7.5' - 12' Tan and gray mottled SILT, saturated, trace brown NAPL throughout.		
9			14.9							
10			0.9							
11			39.4							
12			29.4			ML		12' - 14' Tan and gray mottled SILT, little fine-grained sand, trace subrounded gravel, saturated, trace yellow NAPL throughout.		
13	48		23.4							
14			47.0			SP		14' - 17' Gray fine to medium-grained SAND, trace silt, saturated, trace yellow NAPL, sheen, chemical odor.		
15			54.8							
16			22.3							
17			54.3			GP		17' - 18.5' Gray fine-grained SAND and white quartz GRAVEL, saturated.		
18	57		23.8							
19			177	05-MET-069				18.5' - 20' Orange SAPROLITE		
20			98.6							
			174							
			74.6							
			33.7							



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**Boring ID: 05-MET-071**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 14.7

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 8

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 7' Gray crushed CONCRETE and BRICK, dry.		
1			0.0							
2		24	0.0							
3										Temporary Piezometer screened 2-12' bgs
4										
5			0.0							
6			0.0					6' Orange-brown, some plastic fragments		
7			0.8							
8		30	0.0			FILL		7' - 10.25' Dark gray to black organic SILT, wet, saturated at 8'.		
9			0.0							
10			0.0							
11			0.0	05-MET-071		FILL		10.25' - 12' Black fine to medium-grained SAND, little silt, saturated, stained.		
12			0.0							
13		42	0.0			OH		12' - 15' Gray Organic SILT, saturated.		
14			0.0							
15			0.0			GW		15' - 15.75' Gray subrounded to subangular medium to coarse-grained gravel, little medium to coarse-grained sand, saturated.		
16			0.0			CL				
17		24	0.0			PT		15.75' - 16.25' Mustard yellow CLAY, firm.		
18								16.25' - 16.75' Dark brown PEAT.		
19								16.75' - 20' SAPROLITE		
20										

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**Boring ID: 05-MET-072**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 14.7

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.4			FILL		0' - 4' Brown SILT, some subangular to angular medium to coarse grained gravel, trace concrete fragments, damp, trace rootlets.		
1			14.9							
2			7.9							
3	39		9.2							Temporary Piezometer screened 0-10' bgs
4			68.2							
5			20.2							
6			101	05-MET-072		FILL		3.5' yellowish tan		
7								4' - 7' Black and dark olive SILT, little subangular gravel, saturated, black staining.		
8			35.6					5' black		
9			20.6					5.75' shreds of rubber sheeting to 6'		
10			1.9							
11			1.5			OH		7' - 11' Gray organic SILT, organic material is black, saturated.		
12										
13										
14			0.0							
15			0.2			ML		11' - 13.5' Tan and gray mottled SILT, saturated.		
16			0.0							
17	48		0.2							
18			0.0							
19			0.0							
20			0.1			SM		13.5' - 14' Orange tan fine-grained SAND and SILT, little medium to coarse-grained quartz gravel, saturated		
21										

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**Boring ID: 05-MET-074**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Drum Storage Area

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 13.5

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 6.75

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 6.75' Brown SILT, little concrete, brick and gravel, dry.		
1			0.0							
2		30								
3										
4										
5			0.0							
6			0.0							
7		42	40.9	05-MET-074		FILL		6.75' - 7.5' Black thick TAR and dark gray SILT, saturated.		
8			10.8			ML		7.5' - 12.5' Dark gray SILT, saturated.		
9			3.5							
10										
11			4.9							
12			4.5							
13		36	7.8			ML		12.5' - 17' Tan and gray mottled SILT, saturated.		
14			4.5							
15			5.1							
16										
17			1.2							
18		45	1.4			GP		17' - 17.75' Gray medium-grained SAND and subrounded to rounded gravel, saturated.		
19			1.3					17.75' - 20' SAPROLITE		
20			1.2							

Temporary  
Piezometer  
screened 5-15'  
bgs



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**Boring ID: 05-MET-075**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Drum Storage Area

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 13.5

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 6

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.1			FILL		0' - 3.75' Brown SILT, some brick, little subangular and angular gravel, damp.		
1			0.4							
2		51	0.6							
3			13.4							
4			10.4	05-MET-075		FILL		3.75' - 6.75' Black stained SILT, little fine-grained SAND, trace fine to medium-grained gravel, damp, slight HC odor.		
5			8.8							
6			2.0					6' saturated		
7		36	0.7			OH		6.75' - 10.75' Gray organic SILT, saturated.		
8			0.4							
9			0.5							
10			0.7							
11			0.2			ML		10.75' - 13' Tan and gray mottled SILT, saturated.		
12			0.2					12' all gray		
13		51	0.1	05-MET-075V						
14			0.2			SW		13' - 14.25' Gray fine to medium-grained SAND, little rounded to subrounded quartz and quartzite gravel, saturated.		
15										

Temporary Piezometer screened 2-12' bgs

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**Boring ID: 05-MET-076**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/17/2005

**Date Finished:** 8/17/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 13.5

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2.5' Brown (10YR4/3) SAND, SILT and fine-grained GRAVEL, damp, trace rootlets		
1			0.0							
2		42	0.0							
			0.2							
			0.8			FILL		2.5' - 5' Black stained SAND and fine-grained GRAVEL, some silt, little slag, wet		
3			1.5							
4			2.9					4' saturated		
			2.1	05-MET-076/ 05-MET-076A						
5			2.0			FILL		5' - 10' Black SLUDGE, saturated, slight slight hydrocarbon odor		
6		30	0.1							
			0.3							
7										
8			0.3							
			0.2							
9			0.1							
			0.0							
10		36	0.0			ML		10' - 11' Brown (10YR 4/3) and olive gray (5Y 4/2) mottled SILT, little clay, damp		
			0.0							
11										
12										

10/8/05 MWH\_BORING/Well\_LOG FORMER METRO CONTAINER INVESTIGATION BORING &amp; PZ LOGS.GPJ

05-MET-076

AR100412

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**Boring ID: 05-MET-079**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/17/2005

**Date Finished:** 8/17/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 12.5

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2.5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			10.7			FILL		0' - 2' Brown (10YR 4/3) SILT, little fine-grained sand and gravel, little concrete		
1			16.3							
			10.9							
2		30	13.6	05-MET-079S						
			2.3	05-MET-079	FILL			2' - 2.25' CONCRETE		
3					FILL			2.25' - 5' Black SILT, little clay and fine-grained sand and gravel, wet 2.5' saturated, slight hydrocarbon odor		Temporary Piezometer screened at 0 - 12' bgs
4			1.3							
			1.0							
5			1.4			FILL		5' - 6' SLUDGE, saturated		
			1.4							
6		36	1.1			FILL		6' - 8' Black SILT, little clay, trace fine-grained sand, damp, soft		
			1.7							
7										
8			0.1			ML		8' - 11' Olive gray (5Y 4/2) SILT, little clay, trace fine-grained sand, damp, firm		
			0.2							
9			0.1							
			0.2							
10		36	0.0							
			0.0							
11										
12										



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**Boring ID: 05-MET-080**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/17/2005

**Date Finished:** 8/17/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 12.7

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.2			FILL		0' - 2' Brown (10YR4/3) SAND, SILT and fine-grained GRAVEL, damp, trace rootlets		
1			0.1							
			0.0							
			0.2							
2		24						2' - 4' No recovery		Temporary Piezometer screened at 0 - 12' bgs
3										
4			0.2			FILL		4' - 5' BRICK, saturated, hard to penetrate, poor recovery		
			0.5							
5								5' - 8' No recovery		
6		12								
7										
8			17.2			FILL		8' - 9' Black stained SILT, SAND and fine-grained GRAVEL, little slag, saturated, slight sheen, slight hydrocarbon odor		
9			15.9	05-MET-080						
			10.7			ML		9' - 11.5' Olive gray (5Y 4/2) and brown (10YR 4/3) mottled SILT, little clay and fine-grained sand, damp, hard		
10		42	5.3							
			0.5							
11			0.1							
12										

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**Boring ID: 05-MET-081**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 12.7

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.2			FILL		0' - 1' Brown (10YR 4/3) SILT and SAND, some fine-grained sand, damp, slight hydrocarbon odor		
1			0.5			FILL		1' - 5' Black (10YR 2/1) SAND and fine-grained GRAVEL, some slag, wet, slight hydrocarbon odor		
2	36		6.5							
			17.4	05-MET-081						No groundwater collected at this location
3										
4			15.4					4' saturated		
			10.5							
5			2.6			FILL		5' - 9' Black SLUDGE, saturated, slight hydrocarbon odor		
6	24		0.7							
7										
8			0.4							
			0.6							
9			0.5			ML		9' - 12' Dark gray (5Y 4/2) and brown (10YR 5/3) mottled SANDY SILT, fine-grained sand, damp, firm		
10	48		0.1							
			0.1							
11			0.1							
			0.3							
12										

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**Boring ID: 05-MET-082**

Page 1 of 1

**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony  
Creek/Concrete Holding Tank

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.0

**Total Depth (ft):** 10.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0				FILL	0' - 5.5' Dark brown SILT and crushed BRICK, some gravels and pebbles, little wood, damp, HC odor.		
1			0.0							
			134							
2			326							
		48	246	05-MET-082						Temporary Piezometer screened 0-10' bgs
3			200							
			97.3							
4										
5			4.5					5' saturated		
6			3.7			FILL		5.5' - 10' Brown and green SILT (disturbed), laminations of black medium-grained sand, saturated.		
			2.1							
7			1.8							
		48	1.6							
8			1.2							
			0.8							
9										
10										

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**Boring ID: 05-MET-083**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Concrete Holding Tank

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 12.0

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2' Brown SILT and fine-grained SAND, some gravel, little wood, damp.		
1			0.0							
			0.7							
2		36	119			FILL		2' - 3' Dark brown SILT and gravel, moist, strong chemical odor.		
3			341	05-MET-083				3' - 5' No recovery		
4										
5			15.4			FILL		5' - 7.5' Very dark gray SILT and crushed COKE, SLAG and BRICK, saturated, trace NAPL, no noticeable odor.		No groundwater collected at this location.
6			5.0							
			32.1							
7			19.8							
		39	1.3							
8			1.2			OL		7.5' - 12.5' Gray organic SILT, saturated.		
9										
10			0.0							
11			0.0							
			0.0					11' becomes brown		
12			0.0							
		30								
13										
14										
15										



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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Concrete Holding Tank

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.4

**Total Depth (ft):** 10.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 3

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			7.4			FILL		0' - 3' Dark brown to black SILT, subangular GRAVEL and BRICK, damp.		
1			163							
			8.3							
2			6.0							
	60		3.5							
3			1.2			FILL		3' - 8' Black crushed COKE, SLAG, BRICK and SILT, saturated.		
4			0.6							
			0.2							
5			28.0							
6			68.8							
			753					6.5' trace NAPL, sheen		
7			994	05-MET-084						
	45		1.3							
8			1.6			FILL		8' - 10' Disturbed brown SILT, saturated, trace organic material.		
9										
10										

Temporary  
Piezometer  
screened 0-10'  
bgs

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**Boring ID: 05-MET-085**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.3

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4.5

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			11.3				FILL	0' - 6' Black SILT and GRAVEL, trace brick, damp.		
1			26.1							
2		36	15.7							
3			9.0							
4			1.2							
5			0.7					4.5' saturated		No groundwater sample collected at this location.
6			0.7							
7			16.0				FILL	6' - 9' Black SILT, saturated, trace black NAPL, strong chemical odor.		
8		54	1302							
9			>9999	05-MET-085						
10			9079							
11			>9999				SM	9' - 11' Gray fine-grained SAND and SILT, little gravel, saturated, chemical odor.		
12			316							
13			226							
14			43.5				SP	11' - 15' Orange fine to medium-grained SAND, trace gravel, saturated.		
15		48	3.0							
			2.1							
			3.9					13' some coarse-grained sand		
			0.4							

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**Boring ID: 05-MET-086**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 12.3

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2.5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.5			FILL		0' - 2' Brown (10YR 4/3) SILT and SAND, some fine fine-grained gravel, brick, little concrete, damp		
1			0.8							
2	36		26.1			FILL		2' - 4.5' Black stained brown (10YR 4/3) SILT and SAND, some fine fine-grained gravel, brick, little concrete, wet 2.5' saturated		Temporary Piezometer screened at 0 - 10' bgs
3			81.1	05-MET-086						
4			72.7							
5			56.4			ML		4.5' - 10.5' Olive gray (5Y 4/2) SILT, little clay, trace fine-grained sand and fine-grained gravel, wet, brown NAPL in pockets, hard		
6	24		11.8							
7			6.7							
8			3.2							
9			0.6							
10	36		0.1							
11			0.1			GP		10.5' - 11' Olive gray (5Y 4/2) medium to coarse-grained GRAVEL, mostly quartz, little coarse-grained sand, saturated		
12			0.5							

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**Boring ID: 05-MET-087**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/11/2005

**Date Finished:** 8/11/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony  
Creek/Concrete Holding Tank

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.0

**Total Depth (ft):** 10.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1.5' Brown SILT, damp, trace organic material.		
1			23.8							
			10.8			FILL		1.5' - 2.5' Crushed CONCRETE and BRICK, dry.		
2			0.0							
	54		0.0			FILL		2.5' - 6.5' Crushed COKE, SLAG, BRICK and GRAVEL, some silt, saturated at 4', trace black staining.		Temporary Piezometer screened 0-7' bgs
3			0.0							
			0.0							
4			0.0	05-MET-087						
5			0.0							
			0.0							
6			0.0							
			0.0							
7			0.0			OH		6.5' - 10' Grayish brown organic SILT, saturated.		
	48		0.0							
8			0.0							
			0.0							
9										
10										



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**Boring ID: 05-MET-088**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/11/2005

**Date Finished:** 8/11/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Concrete Holding Tank

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.0

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 3.25

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1.75' Brown SILT, some gravel, damp.		
1			0.0							
2		45				FILL		1.75' - 2.75' BRICK		
3			16.1	05-MET-088		FILL		2.75' - 8.5' Very dark brown to black SILT and crushed BRICK and GRAVEL, saturated at 3.25', black staining, slight HC odor.		
4			14.1							
5			7.0							
6			1.7							
7			4.2							
8		42	0.4							
9			0.0							
10			0.0							
11			0.0			OH		10' - 12' Grayish brown organic SILT, saturated.		
12			0.0							
13		36	0.0			GW		12' - 13' Gray rounded to subrounded GRAVEL and PEBBLES, little medium-grained sand, saturated.		
14										
15										

No groundwater sample collected at this location.

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**Boring ID: 05-MET-089**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Concrete Holding  
Tank

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 12.5

**Total Depth (ft):** 10.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 5' Brown SILT, crushed CONCRETE, BRICK and GRAVEL, dry.		
1			6.6							
			0.0							
			0.0							
2			0.0							
		48	0.0							Temporary Piezometer screened 0-10' bgs
			0.0							
3			0.0							
			0.0							
			0.0					3.5' wet		
4										
5			58.5	05-MET-089		FILL		5' - 7.5' Very dark gray organic SILT, saturated, chemical odor.		
			0.0							
6			6.9							
			4.1							
7			0.0							
		30	0.0							
8										
9										
10										

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**Boring ID: 05-MET-090**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 11.8

**Total Depth (ft):** 10.5'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 3.5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 3' Brown (10YR 4/3) SILT and SAND, some fine-grained gravel, little brick and concrete, damp		
1			0.0							
2			0.0							
3		48	0.0							
4			0.0	05-MET-090/ 05-MET-090A	FILL			3' - 3.5' Black stained SILT and SAND, some fine-grained gravel, little brick and concrete, wet		
5			0.0		FILL			3.5' - 10.5' [REDACTED] and medium to coarse-grained GRAVEL, saturated		
6			0.0							
7			0.0							
8			0.0							
9			0.0							
10		6	0.0							
11										Refusal at 10.5' bgs
12										

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**Boring ID: 05-MET-091**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 12.3

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 3

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			9.9				FILL	0' - 3' Dark brown SILT, GRAVEL, BRICK, some crushed concrete and slag, damp.		
1			2.8							
2			8.2							
3		36	0.7					3' - 5' No Recovery		
4			0.0							
5			0.0				FILL	5' - 7' Black crushed SLAG, CONCRETE, BRICK, some silt, saturated.		
6			0.1							
7			5.5							
8		48	4.1			ML		7' - 15' Gray and tan mottled SILT, saturated, brown NAPL to 11.5', very strong chemical odor.		
9			5.1							
10			4864							
11			>9999							
12			>9999	05-MET-091						
13			>9999							
14			>9999							
15			5532							
16			>9999							
17			>9999							
18										
19										
20										



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**Boring ID: 05-MET-092**

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**Project Name:** Former Metro Container Investigation  
**Location:** Trainer, PA  
**Project Number:** 2111133.010101  
**Date Started:** 8/9/2005  
**Date Finished:** 8/9/2005  
**Drilling Method:** Geoprobe Track Rig  
**Sampling Method:** Geoprobe Macrocore  
**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Lagoon  
**Drilling Company:** ECDI [REDACTED]  
**Ground Elevation (ft/msl):** 12.5  
**Total Depth (ft):** 15.0'  
**Boring Diameter (in):** 2"  
**Water Level During Drilling (ft/bgs):** 5.5  
**Weather Conditions:** NA  
**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1' Brown SILT, damp, some roots and reeds.		
1			0.0			FILL		1' - 5.5' Gray SILT, BRICK and GRAVEL, trace wood, damp.		
2		48	34.2							
			86.5							
			8.3							
3			1.1							
			0.3							
4										Temporary piezometer screened 3-13' bgs
5			1.1			FILL		5.5' - 7.5' Hydrocarbon SLUDGE, saturated.		
6			11.6							
			31.3							
7			19.9							
			11.7							
8		57	44.2	05-MET-092		FILL		7.5' - 9.75' Black fine-grained SAND, little medium-grained sand, saturated, brown NAPL, heavy sheen.		
			156							
9			123							
			64.4							
10			15.5			ML		9.75' - 10' No Recovery		
			5.6					10' - 13' Gray SILT, little organic material, trace NAPL droplets and sheen, saturated.		
11			11.3							
			12.4							
12			25.0							
		48	4.7							
13			0.1			OH		13' - 14' Brown organic SILT, saturated.		
			0.0							
14										
15										

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**Boring ID: 05-MET-093**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/11/2005

**Date Finished:** 8/11/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 12.0

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1.75' Brown and dark brown SILT, some gravel, trace metal, brick and roots.		
1			393							
			60.6							
2			14.1			FILL		1.75' - 7.25' Very dark gray to black fine to medium-grained SAND and SILT, some crushed coke and slag, saturated at 2', stained, trace wood.		Temporary Piezometer screened 2-12' bgs
3		36	34.6							
4										
5			16.2					5' chemical odor		
6			29.6							
			34.8	05-MET-093				6.5' slight sheen		
7		27	35.0					7.25' - 10' No Recovery		
8										
9										
10			20.0			ML		10' - 13' Grayish brown SILT, little organic material, saturated.		
11			17.4							
			2.3							
12		42	0.4					12.5' gray		
			0.1							
13			0.0			GP		13' - 13.5' Gray fine to medium-grained SAND and GRAVEL, saturated.		
14										
15										

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**Boring ID: 05-MET-094**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/11/2005

**Date Finished:** 8/11/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Drum  
Storage Area

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.0

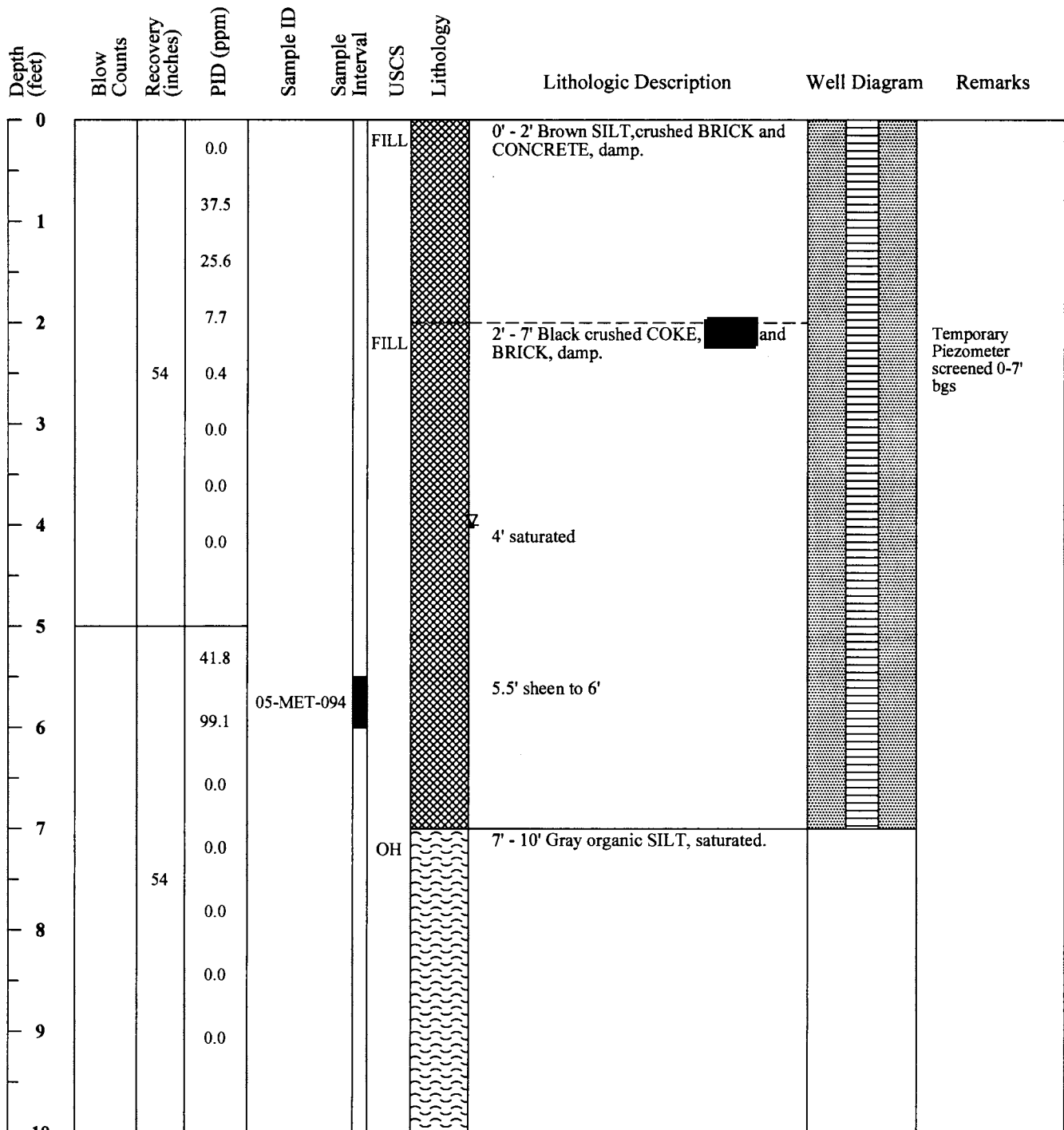
**Total Depth (ft):** 10.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** ( )



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**Boring ID: 05-MET-095**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/10/2005

**Date Finished:** 8/10/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Concrete Holding Tank

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.1

**Total Depth (ft):** 13.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 8

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 12.75' Brown and orange tan mottled SILT, little gravel, dry.		
1			0.4							
			0.0							
2			0.0							
	48		0.0							
3			4.1							
			0.0							Temporary Piezometer screened 3-13' bgs
4								4' damp		
5			0.0							
			0.0							
6			0.0							
			0.0							
7			0.0					7' black staining throughout		
	48		0.0							
8			0.0					8' saturated		
			0.0							
9										
			0.0							
10			0.0							
			0.0							
11			0.0					11' little organic material to 12'		
	36		0.0							
12			0.0							
			0.0							Refusal at 13' bgs
13			29.5	05-MET-095		FILL		12.75' - 13' Crushed SLAG, COKE, and SILT, saturated, slight chemical odor.		
14										
15										



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**Boring ID: 05-MET-096**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/10/2005

**Date Finished:** 8/10/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Concrete Holding  
Tank

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.1

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 3

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1.5' Brown SILT, some gravels, damp, trace roots.		
1			5.4							
			17.9							
2		39	125			FILL		1.5' - 3' Black stained SILT, BRICK, CONCRETE and GRAVEL, damp.		
			44.6							
3			30.7			FILL		3' - 8' Black crushed GRAVEL, BRICK and ( ) saturated, chemical odor.		
4										
5			63.9							
6			42.5							
			33.3							
7		51	1235							
			>9999							
8			>9999			FILL		8' - 11' Black HC SLUDGE, trace wood, saturated, NAPL throughout, strong chemical odor, soft.		
			>9999	05-MET-096/ 096A						
9										
10			898							
11			598			ML		11' - 13' Green SILT, mottled with staining, saturated, trace organic material.		
			1178							
12		51	132							
			112							
13			462			GW		13' - 17' Black stained medium-grained SAND and subangular to subrounded GRAVEL and PEBBLES (crushed by drilling), saturated, chemical odor.		
			79.1							
14										
15			71.0							
16			40.0							
17		36	3.5					17' - 20' SAPROLITE		
			0.4	05-MET-096V						
18										
19										
20										

Temporary  
Piezometer  
screened 5-15'  
bgs

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**Boring ID: 05-MET-097**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/9/2005

**Date Finished:** 8/9/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Drum Storage Area

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 12.1

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1' Brown (10YR 4/3) medium to coarse-grained SAND and fine-grained GRAVEL, damp		
1			0.5			FILL		1' - 2.5' black stained SLUDGE, COAL, little fine to coarse-grained sand and gravel, wet		
2	36	3.5	2.1							
		2.7	3.5							
3			0.5			FILL		2.5' - 4' Olive gray (5Y 4/2) mottled with brown (10Y 5/3) SILT, little clay		
4			31.5			FILL		4' - 6' Black stained SLUDGE, saturated, sheen, slight hydrocarbon odor		
5			11.2							
		7.9	10.8							
6	30	10.6	10.6			ML		6' - 14' Partially black stained olive gray (5Y 4/2) SILT, little clay, brown NAPL in pockets, wet, slight sheen, slight hydrocarbon odor, firm		
7										
8			111							
9			373							
			863	05-MET-097				9' no sheen		
10	36		336							
			838							
11			118							
12			207					12' no staining		
13			31.6							
			11.7							
14	24		11.2					13.5' no odor		
15										Refusal at 14' bgs
16										

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**Boring ID: 05-MET-098**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/12/2005

**Date Finished:** 8/12/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Northwest of Drum Reclaim Building

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 12.5

**Total Depth (ft):** 17.5'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 1.75

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.1			FILL		0' - 1' Brown (10YR 4/3) SILT, SAND, BRICK and CONCRETE, little wood, damp		
1			0.5			FILL		1' - 5.5' SLUDGE, wet, slight hydrocarbon odor		
2	24		0.0	05-MET-098S				1.75' saturated		Temporary Piezometer screened at 0 - 17' bgs
3										
4			0.5							
5			0.7							
6			8.6			ML		5.5' - 8' Partially black stained dark olive gray (5Y 3/2) SILT, some clay, little fine-grained sand, saturated, sheen, slight hydrocarbon odor, brown NAPL in pockets, soft		Groundwater pH = 8
7			16.5							
8			2.3							
9			5.2			ML		8' - 10' Dark gray (5Y 4/2) and yellowish brown (10YR 5/4) mottled SILT, little clay, trace fine-grained sand, wet, slight hydrocarbon odor, firm		
10			108							
11			155							
12	42		111			ML		10' - 11.5' Dark gray (5Y 4/2) and yellowish brown (10YR 5/4) mottled SILT and fine-grained SAND, little clay, trace fine-grained gravel, wet, moderate hydrocarbon odor		
13			3725	05-MET-098						
14			>9999							
15			>9999							
16			>9999			GW		11.5' - 12' No recovery		
17			>9999					12' - 17.5' Olive gray (5Y 4/2) medium to coarse-grained GRAVEL, mostly quartz, little coarse-grained sand, saturated, sheen, slight hydrocarbon odor		
18	18		105							
19			28.9							
20			32.3	05-MET-098V						Refusal at 17.5' bgs

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**Boring ID: 05-MET-099**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/9/2005

**Date Finished:** 8/9/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Lagoon

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.8

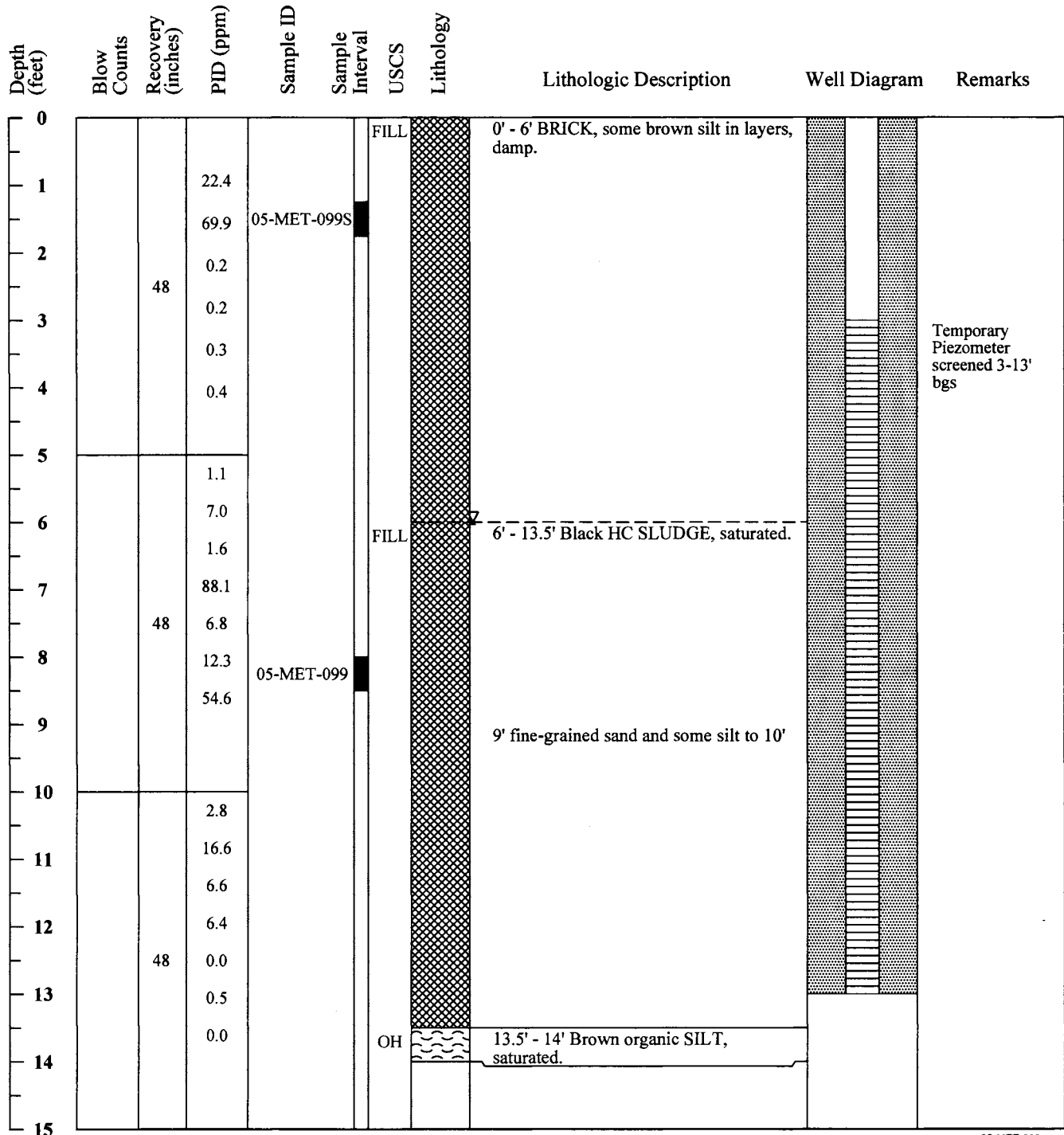
**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 6

**Weather Conditions:** NA

**Logged By:** ( )





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**Boring ID: 05-MET-100**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/9/2005

**Date Finished:** 8/9/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 13.0

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 8.5

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2.5' Brown, tan and dark gray mottled SILT, some subangular to angular medium to coarse-grained gravel and pebbles, damp.		
1			0.0							
2		51	0.5							
3			9.6			FILL		2.5' - 6.25' Very dark gray to black SILT, some subangular to angular medium to coarse-grained gravel and pebbles, damp, HC odor, stained.		No groundwater sample collected at this location.
4			6.4							
5			1.3							
6			1.8							
7			3.6			FILL		6.25' - 7.5' Crushed tan sandstone and sandstone gravel, damp.		
8		57	4.9							
9			6.3			FILL		7.5' - 8' Brown SILT, damp.		
10			5.7							
11			0.4			FILL		8' - 8.5' Crushed GRAVEL and SAND, damp.		
12			0.0							
13			1.2			FILL		8.5' - 15' Black ( ) and crushed COKE and GRAVEL, trace brick and slag, saturated, HC odor.		
14			8.4							
15			10.2							
16			5.8							
17			6.5							
18			5.5							
19			302							
20			357							
21			619							
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**Boring ID: 05-MET-101**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/10/2005

**Date Finished:** 8/10/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon/Sludge Disposal

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.2

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 10

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1.5' Brown SILT, little gravel and roots.		
1			0.0							
			0.0			FILL		1.5' - 6.5' Very dark gray (10 YR 3/1) stained SILT, some gravel and brick.		
2		39	24.1							
			12.4							
3			1.9							
4										
5			0.4							
			0.2							
6			0.4							
			0.7			FILL		6.5' - 7.5' Crushed CONCRETE		
7		36	12.1							
			4.6			FILL		7.5' - 11' Black crushed slag and coke, saturated at 10'.		
8										
9										
10			31.1							
			19.0			OL		11' - 14' Dark gray (10 YR 4/1) SILT, trace organic material, some black staining and NAPL in fractures from 11-13'.		
11			14.8							
			918	05-MET-101						
12		48	86.5							
			17.0							
13			0.3							
14			0.2							
15										

Temporary  
Piezometer  
screened 4-14'  
bgs

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**Boring ID: 05-MET-102**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/9/2005

**Date Finished:** 8/9/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon/Sludge Disposal

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 8.5

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			16.0			FILL		0' - 1' Brown (10YR 4/3) fine to coarse-grained SAND and subangular to subrounded GRAVEL, some brick and concrete, damp		
1			1.4			FILL		1' - 6' Partially black stained medium to coarse-grained SAND, little fine-grained gravel, wet, slight hydrocarbon odor		
2	24		3.5							No groundwater collected at this location
3										
4			4.2					4' saturated		
5			1.6							
6		42	42.7							Groundwater pH = 7 - 8
7			38.7			FILL		6' - 8.5' Black stained SLUDGE, COAL, BRICK, saturated, sheen, strong hydrocarbon odor		
8			965							
9			1434							
10			1133			ML		8.5' - 14' Partially black stained olive gray (5Y 4/2) SILT, little clay and fine-grained sand, wet, sheen, NAPL in pockets, moderate hydrocarbon odor, firm		
11		36	2624	05-MET-102						
12			>9999							
13			>9999					11' piece of coarse-grained quartz gravel		
14			>9999							
15			4478							
16		30	517			GW		14' - 15' Partially black stained coarse-grained SAND and medium to coarse-grained quartz GRAVEL, saturated, medium hydrocarbon odor		Refusal at 15' bgs
17			269							

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**Boring ID: 05-MET-103**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/10/2005

**Date Finished:** 8/10/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon/Sludge Disposal

**Drilling Company:**

ECDI [REDACTED]

**Ground Elevation (ft/msl):** 12.3

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 3

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			2.8			FILL		0' - 2.5' Brown (10YR 4/3) SAND and fine-grained GRAVEL, little silt, slag, concrete		
1			3.3							
			6.2							
2		39	48.6							
			146							
3			123			FILL		2.5' - 4' Brown (10YR 4/3) SAND, fine-grained GRAVEL and [REDACTED] little silt, slag and concrete, wet 3' saturated		Temporary Piezometer screened at 0 -19' bgs
4			46.7			FILL		4' - 9' Black stained SLUDGE, saturated, sheen, strong hydrocarbon odor, NAPL in pockets		Groundwater pH = 8 - 9
5			978							
			45.1							
6		36	83.7							
			32.5							
7			26.4							
8			678							
9			925			ML		9' - 14' Partially black stained olive gray (10YR 4/2) SILT, little clay, trace fine-grained sand, saturated, brown NAPL in veins and pockets, strong hydrocarbon odor, firm		
10		48	>9999	05-MET-103				11' no staining		
			>9999							
11			4519							
			681							
12			607							
13			593							
			1045							
14		36	1233			GW		14' - 18' Olive gray (5Y 3/2) medium to coarse-grained quartz GRAVEL, little sand, saturated, slight hydrocarbon odor		
			869							
15			661							
16			154							
17			107							
			78.2							
18		36	23.6					18' - 19' SAPROLITE, wet		
			16.5							
19			0.1	05-MET-103V						
20										



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**Boring ID: 05-MET-104**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/11/2005

**Date Finished:** 8/11/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** West Side of Drum Reclaim Building/Sludge Disposal

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 13.7

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2.75

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			2.4	05-MET-104S		FILL		0' - 0.75' Brown (10YR 4/3) SAND and fine-grained GRAVEL, little silt, slag and concrete		Temporary Piezometer screened at 0 - 16' bgs
1			18.9			FILL		0.75' - 1' CONCRETE		
			56.6			FILL		1' - 9' Black stained SLUDGE, SAND and SILT, wet, slight hydrocarbon odor		
2	36		120							
			61.7							
			40.3							
3								2.75' saturated		
4			27.8							
5			18.2							
6	36		17.5							
			12.3					6' saturated with brown NAPL		
			11.5							
7				05-MET-104						
8			34.7							
9			28.7			ML		9' - 14' Partially black stained olive gray (10YR 4/2) SILT, little clay, trace fine-grained sand, saturated, brown NAPL in veins and pockets, moderate hydrocarbon odor, firm		
10	48		728					10' no staining, wet, slight hydrocarbon odor, brown NAPL in pockets		
			7176							
			1460							
11			1574							
			1655							
12			1002							
			246							
13			100							
			25.1							
14	36		2.4			GW		14' - 15' Olive gray (5Y 3/2) medium to coarse-grained quartz GRAVEL, little sand, saturated, slight hydrocarbon odor		
15										
16										

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**Boring ID: 05-MET-105**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/9/2005

**Date Finished:** 8/9/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Lagoon

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.7

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 3.5' BRICK		
1			16.4							
2			0.7							
2		42	0.0							
3			0.0							
3			0.0							
4			0.0					3.5' - 5' No Recovery		
5			6.2			FILL		5' - 13.5' Black HC [REDACTED] saturated, possible black NAPL.		Temporary Piezometer screened 5-15' bgs
6			4.2							
6			12.6							
7		30	4.8							
7			2.0							
8			0.4							
9										
10			10.4					10' some crushed COKE and COAL (gravel size fragments), sheen and brown NAPL to 12.75'		
11			11.6							
11			5.4							
12		45	10.3	05-MET-105						
12			59.3							
13			18.3							
13			11.1							
14						OL		13.5' - 15.75' Brown organic SILT, saturated.		
15			0.0							
16			0.2			ML		15.75' - 18' Green SILT, saturated.		
16			0.0							
17		36	0.0					17' some subrounded to rounded pebbles		
17			10.2					17.5' oxidized orange		
18			0.2							
19										
20										

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**Boring ID: 05-MET-106**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/9/2005

**Date Finished:** 8/9/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon/Sludge Disposal

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 13.0

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4.5

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.6			FILL		0' - 2.5' Brown (10YR 4/3) fine to coarse-grained SAND and subangular to subrounded GRAVEL, some brick and concrete, damp		
1			0.7							
			0.0							
2	36		19.8							
			17.1							No groundwater collected at this location
3			5.6			FILL		2.5' - 9' Black stained SILT and fine-grained SAND, some fine-grained gravel, coal and sludge, wet, slight hydrocarbon odor		
4			6.4							
			41.0							Groundwater pH = 8 - 9
5			50.1					4.5' saturated		
6	36		53.7							
			124.4							
7			123.1	05-MET-106						
8			106							
			57.7							
9			24.3			ML		9' - 11' Black stained CLAYEY SILT, little fine-grained sand, saturated, soft, slight hydrocarbon odor		
10	36		2.7							
			0.5							
11			0.1					10.5' no staining, color becomes olive gray (5Y 4/2) and brown (10YR 4/3) mottled, wet		
12										

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**Boring ID: 05-MET-107**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/10/2005

**Date Finished:** 8/10/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon/Sludge Disposal

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.6

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 0.5' Fine to medium-grained SAND (Sand Blasting Area), wet.		
1			3.5			FILL		0.5' - 1' Crushed CONCRETE and angular GRAVEL, dry.		
2			6.5			FILL		1' - 2' Black SILT, some angular gravel, damp.		
3		57	41.8			FILL		2' - 7.5' Black HC ( ) and crushed COKE, ( ) and GRAVEL, trace brick fragments, saturated with black NAPL, chemical odor.		Temporary Piezometer screened 0-10' bgs
4			155							
5			169							
6			317							
7			44.9							
8			17.7							
9			557							
10		60	3458	05-MET-107		FILL		7.5' - 8' Black stained SILT, trace gravel, strong chemical odor.		
11			>9999			FILL		8' - 10' Black HC ( ) crushed COKE, ( ) and GRAVEL, trace brick fragments, saturated with black NAPL, chemical odor.		
12			1265							
13			176							
14			4.6			ML		10' - 14' Mottled gray and tan SILT, saturated, trace organic material, soft becoming firm.		
15			3.2							
16			15.7							
17			5.4							
18		48	0.8							
19			6.2							
20			4.8							
21			0.2							



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**Boring ID: 05-MET-108**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/17/2005

**Date Finished:** 8/17/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon/Sludge Disposal

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 12.8

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2.75

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			1.4			FILL		0' - 2' Brown (10YR 4/3) SILT, SAND and fine-grained GRAVEL, some concrete and brick		
1			0.3							
			26.5							
2		36	1.5			FILL		2' - 9' Black SLUDGE, wet		No groundwater collected at this location
			23.2					2.75' saturated		
3			21.7							
4								4' brown NAPL in groundwater, sheen		
5			122							
			618							
6		24	249							
			289							
7										
8			>9999							
			>9999	05-MET-108						
9			>9999			ML		9' - 14.5' Partially black stained olive gray (5Y 4/2) SILT, little clay, trace fine-grained sand, damp, sheen, brown NAPL in veins and pockets, strong hydrocarbon odor, firm		
10		36	2016							
			>9999							
11			143							
12			507							
			643							
13			789							
			452							
14		42	289							
			105			GP		14.5' - 15.5' Olive gray (5Y 4/2) coarse-grained SAND and fine to medium-grained quartz GRAVEL, saturated, slight hydrocarbon odor		
15			57							
16										

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**Boring ID: 05-MET-109**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/19/2005

**Date Finished:** 8/19/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** West Side of Drum Reclaim Building

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 13.8

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 1.5

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			1.6			FILL		0' - 1' Brown SILT, little fine-grained sand and subangular gravel, damp.		
1			49.0			FILL		1' - 8.5' Black and dark eggplant purple ashy SILT and crushed ( ) and COKE, saturated at 1.5'.		
2	24		98.7	05-MET-109S						No groundwater sample collected at this location.
3										
4			192							
5			296							
6	36		17.4	05-MET-109						
7			18.9							
8			17.0							
9			35.4							
10						ML		8.5' - 14' Dark grayish green SILT mottled with dark green and black staining, saturated, dark brown LNAPL throughout, chemical odor.		
11			21.2							
12			16.2							
13			56.4							
14	36		28.4							
15			86.1			SP		14' - 15' tan SAND, fine to medium-grained sand with large fractured red siltstone fragments, trace rounded coarse-grained gravel, saturated.		
16			78.1							
			5.6							
			5.4							
			5.3							
			1.7							
			5.2							
			5.6							
			5.4							

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**Boring ID: 05-MET-110**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/9/2005

**Date Finished:** 8/9/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Lagoon

**Drilling Company:**

ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.9

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 3

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0				FILL	0' - 0.5' Brown (10YR 4/3) fine-grained SAND, some medium-grained sand, trace fine-grained gravel, damp		
1			0.0				FILL	0.5' - 10' Fine to coarse gravel sized BRICK and COAL, damp, slight hydrocarbon odor, sheen		
2		36	0.6							
			0.7							
3			5.8					3' saturated		Temporary Piezometer screened at 0.5 - 16' bgs
4			12.1							
5			6.3							Groundwater pH = 7 -8
6		24	6.4							
			3.6							
7										
8			10.7							
9			18.1							
10		30	17.5							
			16.2							
11			3.7				FILL	10' - 10.5' COAL and SLUDGE, wet, sheen, slight hydrocarbon odor		
								10.5' - 12' No recovery		
12			331	05-MET-110		OL		12' - 15.5' Black stained olive gray (5Y 4/2) CLAYEY SILT, some silt, wet, slight hydrocarbon odor, sheen, brown NAPL in pockets, hard		
13			295							
14		42	106							
			65.4							
15			70.7							
			0.5							
16			0.6					15' no staining		

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**Boring ID: 05-MET-111**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/10/2005

**Date Finished:** 8/10/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon/Sludge Disposal

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.4

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 7.5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1.5' Brown SILT, some subangular to subrounded gravel, damp.		
1			0.1							
			0.8							
2		48	3.1			FILL		1.5' - 7.5' Very dark gray (10 YR 3/1) SILT, some brick and angular gravel, trace wood, black staining.		
			6.8							
3			10.8							
			1.2							
4			1.5							
5			18.0							
6			58.7							
			74.6							
7		48	8.7							
			4.8			FILL		7.5' - 15.5' Black HC sludge with some crushed slag, gravel and coke, saturated.		
8			8.8							
9										
10			69.4							
			55.6							
11			18.6							
			23.2							
12		45	112					12' NAPL in fractures to 13.75'		
			256							
13			19.1							
			6.3							
14										
15			4.2							
			0.9			OL		15.5' - 17.5' Brown organic SILT, saturated. Grades to brown silt with trace organics.		
16			0.9							
			0.4							
17		42	0.3							
			0.3			ML		17.5' - 18.5' Green SILT, moist.		
18			0.2							
19										
20										

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05-MET-111

AR100445



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**Boring ID: 05-MET-112**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/9/2005

**Date Finished:** 8/9/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.5

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			43.6	05-MET-112S		FILL		0' - 1' Brown (10YR 4/3) fine-grained SAND, some medium-grained sand, trace fine-grained gravel, damp		No groundwater collected at this location
1			92.4			FILL		1' - 5' Fine to coarse gravel sized BRICK and CONCRETE, damp, slight hydrocarbon odor, little rootlets		
2	36	36	355							
3			108							
4			96	05-MET-112		FILL		5' - 9' Black stained SLUDGE, COAL, BRICK and fine to medium-grained GRAVEL, saturated, brown NAPL, much sheen, strong hydrocarbon odor		Groundwater pH = 7 - 8
5			46.1							
6	30	30	71.0							
7			209							
8			69.5	05-MET-112V		ML		9' - 14' Black (10YR 2/1) SILT and CLAY, wet, sheen, slight hydrocarbon odor, hard		
9			30.5							
10	24	24	68.1							
11			156.2							
12			>9999	05-MET-112V				14' - 16' No recovery		
13			>9999							
14	24	24	4104							
15			871							
16			1539	05-MET-112V				16' - 20' SAPROLITE, wet, slight hydrocarbon odor		
17			265							
18	24	24	24.4							
19			16.4							
20			2.4							
			1.6							

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**Boring ID: 05-MET-113**

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**Project Name:** Former Metro Container Investigation  
**Location:** Trainer, PA  
**Project Number:** 2111133.010101  
**Date Started:** 8/8/2005  
**Date Finished:** 8/9/2005  
**Drilling Method:** Geoprobe Truck Rig  
**Sampling Method:** Geoprobe Macrocore  
**State Permit Number:** NA

**Boring Location:** Lagoon  
**Drilling Company:** ECDI [REDACTED]  
**Ground Elevation (ft/msl):** 13.5  
**Total Depth (ft):** 16.0'  
**Boring Diameter (in):** 2"  
**Water Level During Drilling (ft/bgs):** 5  
**Weather Conditions:** NA  
**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1' Brown (10YR 4/2) fine to medium-grained SAND and fine to coarse-grained GRAVEL, dry		
1			0.0			FILL		1' - 2' BRICK, little sand and gravel, damp, slight hydrocarbon odor		
2		30	1.5							
			2.7							
3			3.3			FILL		2' - 11' Black stained SILT and fine-grained SAND, little fine to coarse-grained gravel, wet, slight hydrocarbon odor		No groundwater collected at this location
4										
			2.1							
			2.0							Groundwater pH = 8 - 9
5			3.5					5' saturated, sheen		
6		36	16.4							
			17.6							
7			20.1							
8										
			28.7							
9			19.9							
			57.8							
10		36	261							
			1698							
11			4313	05-MET-113		FILL		11' - 16' Olive gray (5Y 4/2) CLAY, some silt, little fine-grained sand, wet, slight hydrocarbon odor, soft		
12			52.1							
			13.8							
13			17.5							
			3.7							
14		36	0.8							
			0.6							
15										
16										

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**Boring ID: 05-MET-114**

Page 1 of 2

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/8/2005

**Date Finished:** 8/8/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.5

**Total Depth (ft):** 25.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.9	05-MET-114S		FILL		0' - 1' Brown (10 YR 4/3) SILT, little fine-grained sand, dry, trace rootlets.		Temporary Piezometer screened 0-20' bgs
1			57.4			FILL		1' - 1.5' BRICK and WOOD fragments, chemical odor.		
2			159					1.5' - 5' No Recovery		
3	18									
4										
5			155			FILL		5' - 10' Dark gray (10 YR 4/1) laminated SILT, trace fine-grained sand, saturated, chemical odor, very soft.		
6			197							
7			195							
8	18		96.7							
9										
10			81.0			FILL		10' - 17' Black (10 YR 2/1) laminated HC SLUDGE, saturated.		
11			35.0							
12			44.9							
13	36		24.5							
14			23.7							
15			21.6							

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**Boring ID: 05-MET-114**

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Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
15			103							
16			102							
17			122	05-MET-114						
17			59.9							
17	39		43.5			SW		17' - 17.75' Medium-grained SAND and GRAVEL, saturated, brown LNAPL throughout, sheen.		
18								17.75' - 24.75' SAPROLITE, impacted, dark gray color, saturated, sheen.		
19										
20			41.4							
21			16.2							
21			60.6							
22			5.3	05-MET-114V				21.75' Green SAPROLITE, appears non-impacted.		
22	57		5.6							
23			3.8							
24			1.0							
24			1.0							
24			0.6							
25			0.0							
26										
27										
28										
29										
30										
31										
32										
33										



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**Boring ID: 05-MET-115**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/8/2005

**Date Finished:** 8/8/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 13.5

**Total Depth (ft):** 19.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			1.8				FILL	0' - 1' Brown (10YR 4/2) fine to medium-grained SAND and fine to coarse-grained GRAVEL, dry		
1			0.6				FILL	1' - 9.5' Brick, little sand and gravel, damp, slight caustic and hydrocarbon odor		
2		30	5.4							
3			112							Temporary Piezometer screened at 0 - 19' bgs
4			260					4' saturated, slight hydrocarbon odor		
5			53.4							
6		18	26.5							
7			24.9							
8			74.5							
9			159							
10		24	206				FILL	9.5' - 14' Olive gray (5Y 4/2) CLAY, some silt, little fine-grained sand, saturated, slight hydrocarbon odor, soft		
11			281							
12			51.4							
13			291	05-MET-115						
14		48	231				FILL	14' - 17' grade to very dark gray (10YR 3/1), wet		
15			162							
16			12.3							
17			10.1					16.5' damp		
18		36	3.5					17' - 19' SAPROLITE, damp, slight hydrocarbon odor		
19			16.4							Refusal at 19' bgs
20			2.9							
			2.5							
			1.6							
			1.0							

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**Boring ID: 05-MET-116**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/10/2005

**Date Finished:** 8/10/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.2

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			1.4			FILL		0' - 2' Dark gray (10YR 4/1) medium to coarse-grained SAND and SILT, some fine to medium-grained gravel, damp, slight hydrocarbon odor, slightly black stained at depths		
1			0.4							
2		30	0.2			FILL		2' - 2.5' CONCRETE		Temporary Piezometer screened at 0 - 16' bgs
3			0.5					2.5' - 4' No recovery		
4			0.0			FILL		4' - 14' Very dark gray (10YR 3/1) SILT and fine-grained SAND, little fine-grained gravel, trace brick, saturated, slight hydrocarbon odor		Groundwater pH = 8 - 9
5			0.0							
6		24	0.0							
7			0.0							
8			0.0							
9			0.0							
10		24	0.0							
11			0.0							
12			20.0					12' black stained		
13			12.3	05-MET-116						
14		48	20.3			ML		14' - 16' Olive gray (5Y 4/2) SILT, little clay and fine-grained sand, damp, stiff		
15			8.2							
16			3.5							
			5.4							
			1.9							
			0.6							

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**Boring ID: 05-MET-117**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/8/2005

**Date Finished:** 8/8/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 13.1

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 2' Brown (10YR 5/3) fine to medium-grained SAND, some fine-grained gravel, little medium-grained gravel, damp		
1			0.0			FILL		2' - 4' Brown (10YR 5/3) SILT, little clay and fine-grained sand, damp, caustic odor, firm		No groundwater collected at this location
2	36		0.0			FILL		3.5' color becomes dark gray (10YR 4/1), wet		Groundwater pH = 7 - 8
3			0.0			FILL		4' - 7.5' Black stained and fine to medium-grained GRAVEL, saturated, sheen, strong caustic odor		
4			11.5			FILL				
5			12.4			FILL				
6	36		15.1			FILL				
7			27.6			FILL				
8			264	05-MET-117		FILL		7.5' - 12' Black stained SILT, little fine-grained sand, wet, firm		
9			289			FILL				
10	36		142			FILL				
11			473			FILL				
12			31.5			FILL				
13	36		29.2			FILL				
14			32.7			FILL				
15			26.1			FILL				
16			21.5			FILL				
17			20.9			FILL				
18	36		2.4			FILL				
19			1.5			FILL				
20			1.6			FILL				
			1.2			FILL				
			9.4			FILL				
			7.2			FILL				
			6.8			FILL				
	36		3.5			FILL				
			3.1			FILL				

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**Boring ID: 05-MET-118**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/9/2005

**Date Finished:** 8/9/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon/Sludge Disposal

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 12.5

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 6

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			1.1			FILL		0' - 2' Brown SILT, little subangular gravel, damp, trace rootlets.		
1			0.1							
			6.2							
2			24.6			FILL		2' - 6' Black stained SILT, some crushed gravel, coke and slag, damp, HC odor.		No groundwater sample collected at this location.
		51	43.1							
3			76.8							
			73.4							
4										
5			425							
6			441			FILL		6' - 10' Black HC SLUDGE and crushed COKE and  saturated, sheen, heavy chemical odor.		
			454							
7			453							
		54	658					7.5' brown LNAPL to 10'		
8			1584							
9			99.5	05-MET-118						
10			620			OL		10' - 12' Black organic SILT, saturated.		
11			395					11' brown		
			36.2							
12			21.7			ML		12' - 15' Gray and green mottled SILT, damp, tight.		
		57	5.5							
13			5.0							
			0.8							
14			1.4							
15										



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**Boring ID: 05-MET-119**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/11/2005

**Date Finished:** 8/11/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Sludge Disposal/Tank Farm

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 12.9

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			30.9			FILL		0' - 2' Brown SILT, GRAVEL, BRICK and crushed CONCRETE.		
1			79.6							
			4.1							
2			2.9			FILL		2' - 8' Black stained SLAG, COKE and GRAVEL, chemical odor.		
	33		1.9							
3										
4										
5			1469	05-MET-119				5' saturated, slight sheen		
6			108							
7			528							
	48		53.9							
8			16.0			ML		8' - 15' Very dark gray SILT, saturated, some black staining.		
			15.4							
9			24.1							
10			11.4							
11			5.9							
12			3.0							
	48		0.3							
13			0.0							
14			0.0							
15			22.4			GW		15' - 17' Black stained fine to medium-grained SAND and subrounded to rounded GRAVEL and PEBBLES, saturated.		
16			6.3							
			76.5							
17			12.3					17' - 20' Orange oxidized SAPROLITE		
	45		0.0							
18										
19										
20										

Temporary  
Piezometer  
screened 2-12'  
bgs

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**Boring ID: 05-MET-120**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/10/2005

**Date Finished:** 8/10/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Sludge Disposal/Tank Farm

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.1

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 2.25

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1.5' Brown (10YR 4/3) SILT and SAND, some brick and concrete, damp, slight hydrocarbon odor		
1			0.7							
			2.1							
2		30	2.4			FILL		1.5' - 1.75' Pale brown (10YR 6/3) coarse-grained SAND, damp		
			2.6			FILL		1.75' - 9' Black stained SLAG, GRAVEL, SAND and SLUDGE, slight hydrocarbon odor		No groundwater collected at this location
3								2.25' saturated, droplets of brown NAPL in soil, sheen and NAPL in groundwater		
4			76							
5			4.4							Groundwater pH = 7 - 8
			4.9							
6		24	5.4							
7										
8			18.5							
9			14.5	05-MET-120						
			16.7			ML		9' - 15' Olive gray (5Y 4/2) SILT, little clay, damp, brown NAPL in pockets, stiff		
10		42	10.4							
			11.6							
11			15.4							
			17.8							
12			0.6					12' saturated		
13			0.7							
			0.1							
14		36	0.7							
			0.2					14' no NAPL, damp		
15			0.6							
16										

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**Boring ID: 05-MET-121**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/10/2005

**Date Finished:** 8/10/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** West Side of Drum Reclaim Building

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 14.2

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.1	05-MET-121		FILL		0' - 1.5' Brown (10YR 4/3) SILT and SAND, little fine to coarse-grained gravel, damp		
1			0.8			FILL				
			1.2							
2		30	1.5			FILL		1.5' - 1.75' CONCRETE		
			2.1			FILL		1.75' - 9' Black (10YR 2/1) SAND and fine to coarse-grained GRAVEL, some slag, wet		Temporary Piezometer screened at 0 - 15' bgs
3										
4			0.8					4' saturated, sheen, brown NAPL in pockets		
5			2.4							
			4.5							Groundwater pH = 7 - 8
6		30	8.2							
			10.7							
7				05-MET-121						
8			18.5							
9			17.8			ML		9' - 10' Black stained SILT, little clay, trace fine-grained sand, wet, firm		
			6.2							
10		36	3.7			ML		10' - 14.5' Olive gray (5Y 4/2) SILT, little clay, trace fine-grained sand, damp, brown NAPL in veins and pockets, firm		
			4.5							
11			3.2							
12			2.5							
13			1.8							
			1.4							
14		30	0.9							
			0.7							
15						ML		14.5' - 15' Olive gray (5Y 4/2) SILT, some rounded to subrounded quartz gravel, little clay, trace fine-grained sand, damp, brown NAPL in veins and pockets, firm		Refusal at 15' bgs
16										

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**Boring ID: 05-MET-122**

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**Project Name:** Former Metro Container Investigation  
**Location:** Trainer, PA  
**Project Number:** 2111133.010101  
**Date Started:** 8/8/2005  
**Date Finished:** 8/8/2005  
**Drilling Method:** Geoprobe Track Rig  
**Sampling Method:** Geoprobe Macrocore  
**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek/Sludge Disposal  
**Drilling Company:** ECDI [REDACTED]  
**Ground Elevation (ft/msl):** 13.0  
**Total Depth (ft):** 20.0'  
**Boring Diameter (in):** 2"  
**Water Level During Drilling (ft/bgs):** 6.5  
**Weather Conditions:** NA  
**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 6.5' Brown (10 YR 4/3) SILT, little fine-grained sand, dry, trace rootlets.		
1			0.0							
2			0.0							
3		36	0.0					2.8' trace brick		Temporary Piezometer screened 0-15' bgs
4										
5			0.0					5' damp		
6			0.0					6' trace fine-grained sand, moist		
7		42	0.0	05-MET-122		FILL		6.5' - 13.75' Black HC [REDACTED] trace subangular to subrounded gravel, saturated, stained.		pH=11
8			0.0							
9			0.0							
10			0.8							
11			2.5							
12			14.5							
13		48	16.8							
14			5.8							
15			4.6			OL		13.75' - 16.5' Brown organic SILT, saturated,		
16			1.8							
17			0.9							
18			0.7			SP		16.5' - 18' Gray fine to medium-grained SAND, saturated.		
19		39	0.1					17' some subrounded to subangular gravels and pebbles to 17.25'		
20			0.0					18' - 20' SAPROLITE		



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**Boring ID: 05-MET-123**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/8/2005

**Date Finished:** 8/8/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.0

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 5

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 3' Brown SILT, little fine-grained sand, trace subrounded to subangular gravel, damp.		
1			0.0							
2			0.0							
3	36		0.0					3' - 5' No Recovery		
4			0.0							
5			0.0			FILL		5' - 13' Black HC [REDACTED] saturated.		
6			0.0							
7			0.0							
8	27		9.0							Temporary Piezometer screened 7-17' bgs
9			12.2							
10			12.7					10' brown NAPL in 10-15' core		
11			13.9							
12	42		9.3	05-MET-123						
13			14.1			OL		13' - 17' Gray SILT, saturated, trace organic material.		
14			2.9							
15			33.1							
16			28.0							
17			35.7							
18	42		34.0			GP		17' - 17.75' Gray medium-grained SAND and angular quartz GRAVEL, saturated.		
19			22.0					17.75' - 20' SAPROLITE		
20			0.9							
			0.0							

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**Boring ID: 05-MET-124**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/11/2005

**Date Finished:** 8/11/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Lagoon

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.0

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 10

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 5.5' Brown SILT, damp, trace roots to 1'.		
1			0.0							
2			0.0							
3		48	0.0							
4			0.0					4' wet		
5			1.2							
6			2.0			FILL		5.5' - 7' Brown SILT, HC [REDACTED] angular GRAVEL and crushed CONCRETE, wet.		
7			0.4							
8		45	1.0			FILL		7' - 13' Very dark gray SILT, some crushed coke and slag in layers, wet.		
9			3.4							
10			4.5							
11			0.2					10' saturated, sheen to 11'		
12			14.9	05-MET-124				11' NAPL in pockets to 12'		
13		54	4.2							
14			12.2							
15			5.8			ML		13' - 15' Gray mottled SILT, damp, hard.		
			1.4							
			0.2							

Temporary  
Piezometer  
screened 3-13'  
bgs

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**Boring ID: 05-MET-125**

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**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/10/2005

**Date Finished:** 8/10/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Disposal Area

**Drilling Company:**

ECDI [REDACTED]

**Ground Elevation (ft/msl):** 13.0

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0				FILL	0' - 10' Brown (10YR 4/3) medium to coarse gravel sized SLAG, little sand and silt, slight hydrocarbon odor, partially black stained		
1			0.0							
2		24	0.0							
3			0.0							Temporary Piezometer screened at 0 - 16' bgs
4			12.4					4' saturated, black staining, sheen, much NAPL in groundwater		Groundwater pH = 7 - 8
5			55.0							
6		24	26.9							
7			21.6							
8			49.3							
9			57.7	05-MET-125						
10		48	10.3							
11			6.7							
12			5.5			ML		10' - 15' Black stained olive gray (5Y 4/2) SILT, some clay, trace fine-grained sand, saturated, medium hydrocarbon odor, soft		
13			4.7					11.5' no staining, slight hydrocarbon odor, wet, dark brown NAPL in pockets, firm		
14		36	3.2							
15			2.1					14' no NAPL, damp		
16			3.5							
			2.6							
			4.7							
			0.7							
			0.6							
			0.3							

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**Boring ID: 05-MET-126**

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**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/10/2005

**Date Finished:** 8/10/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Disposal Area

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 13.0

**Total Depth (ft):** 15.5'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0				FILL	0' - 9' Partially black stained brown (10YR 4/3) medium to coarse gravel sized and BRICK, some gravel and sand, damp		
1			0.2							
2		24	0.3							
3			0.5							Temporary Piezometer screened 0.5 - 15.5' bgs
4			10.7					4' saturated, droplets of brown NAPL in groundwater		Groundwater pH = 7 - 8
5			21.5							
6		12								
7										
8			28.7							
9			32.4	05-MET-126						
10		48	30.5			ML		9' - 15.5' Black stained olive gray (5Y 4/2) SILT, some clay, trace fine-grained sand, saturated, medium hydrocarbon odor, soft		
11			16.5							
12			11.4							
13			2.7							
14			1.5					11' no staining, brown NAPL in pockets, wet		
15			0.7							
16		24	6.7							Refusal at 15.5' bgs
			2.5							
			4.7							
			2.8							



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**Boring ID: 05-MET-127**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/11/2005

**Date Finished:** 8/11/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** West Side of Drum Reclaim Bldg/Sludge Disposal

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 14.2

**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 4

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0			FILL		0' - 1' Gray (10YR 6/1) fine to medium-grained SAND, little slag and brick, dry		
1			0.0			FILL		1' - 1.25' CONCRETE and BRICK, damp		
2	24		0.0			FILL		1.25' - 9' Black SLUDGE and BRICK, little sand and silt, wet		No groundwater collected at this location
3										
4			0.0					4' saturated, brown NAPL in groundwater, moderate hydrocarbon odor		
5			0.0							
6	24		5.2							
7			6.7							
8			11.1	05-MET-127						
9			13.5							
10			12.7							
11			8.5							
12			1.2			ML		9' - 11' Dark olive gray (5Y 3/2) and brown (10YR 4/3) SILT, little clay and fine-grained sand, saturated		
	36		0.7					10' color grades to olive gray (5Y 4/2)		
			0.5							

**MWH**

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335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-128**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Adjacent to Stony Creek

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 14.5

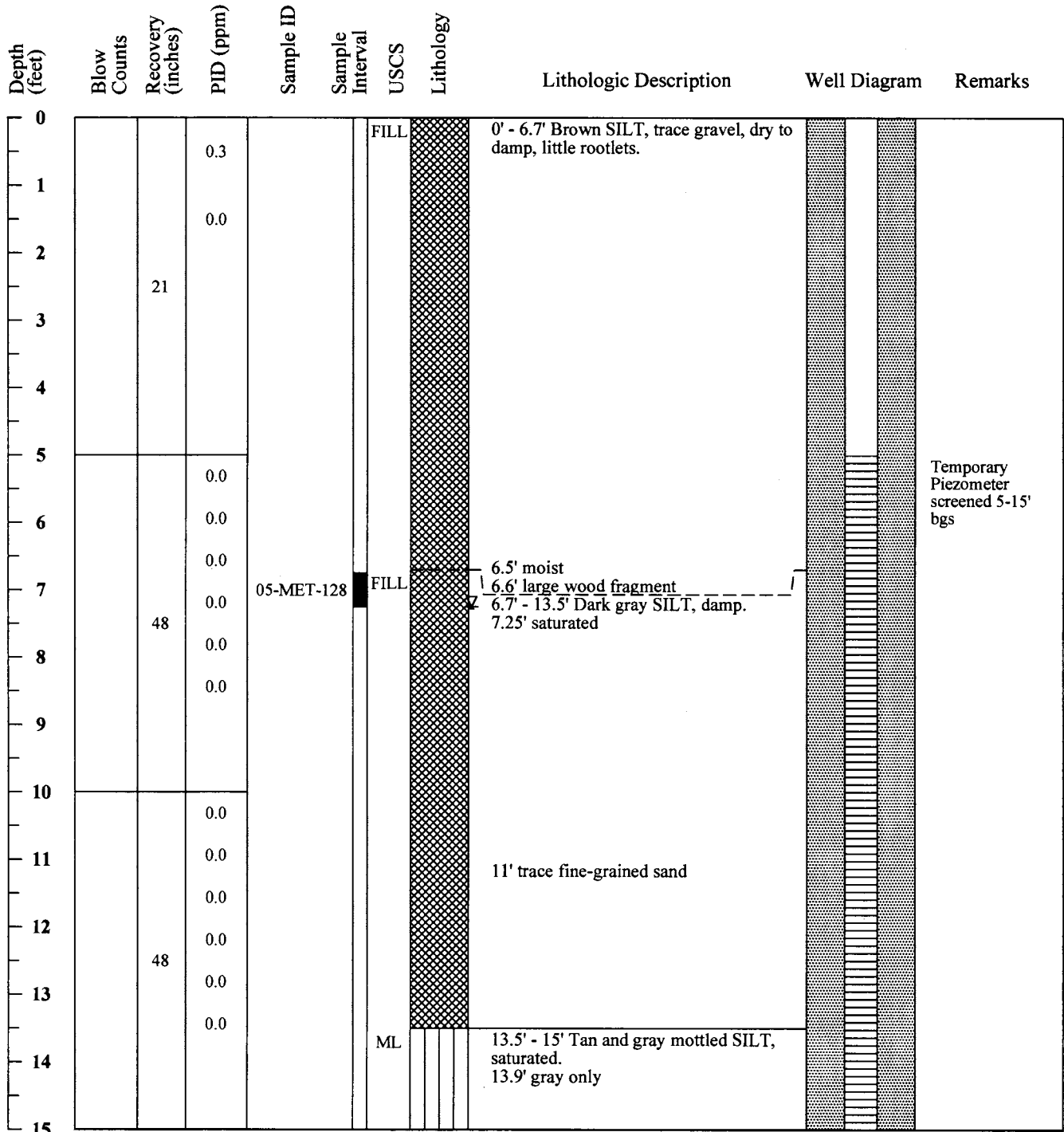
**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 7.25

**Weather Conditions:** NA

**Logged By:** [REDACTED]



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Malvern, Pennsylvania 19355

**Boring ID: 05-MET-129**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/22/2005

**Date Finished:** 8/22/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Disposal Area - North

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.2

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 10

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0				FILL	0' - 2' Brown SILT, little subangular to subrounded medium to coarse-grained gravel, damp, trace wood and roots.		
1			0.2							
2		24	0.3					2' - 5' No Recovery		Off-set and reattempted 0-5' and 5-10' samples in an attempt to gain more recovery; recovery was similar.
3										
4										
5			1.2	05-MET-129		FILL		5' - 6' METAL FRAGMENTS (possible paint coated) and brown SILT, wet at 5.5'.		
6								6' - 10' No Recovery		
7		12								Temporary Piezometer screened 2-12' bgs
8										
9										
10			0.0			ML		10' - 12.5' Tan and gray mottled SILT, saturated.		
11			0.0							
12			0.0							
13		36	0.0			ML		12.5' - 15.5' Tan and gray mottled SILT, little fine-grained sand and angular quartz and quartzite gravel, saturated.		
14										
15			0.0			ML		15.5' - 16.5' Gray SILT, trace clay, saturated, trace organic material.		
16			0.0							
17		48	0.5			OL		16.5' - 18.5' Dark brown organic SILT, trace coarse-grained sand and rounded fine-grained gravel, saturated.		
18			0.0							
19			0.0			SW		18.5' - 19' Tan fine-grained SAND, some angular quartz fragments, saturated.		
20										

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335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-130**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/17/2005

**Date Finished:** 8/17/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Disposal Area - North

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 15.2

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 8

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.1			FILL		0' - 2' Brown (10YR4/3) SAND, SILT and fine-grained GRAVEL, damp, trace rootlets		
1			0.4							
			1.9							
2		36	0.2			FILL		2' - 2.5' SLAG		
			0.3			FILL				
3			0.5			FILL		2.5' - 2.75' Brown (10YR4/3) SAND, SILT and fine-grained GRAVEL, damp, trace rootlets		
						FILL		2.75' - 3' BRICK and CONCRETE		
4			0.2					3' - 8' No recovery BRICK and CONCRETE in sampler		
			0.5							
5			0.2							
6		18								
7										
8			0.0			ML		8' - 14.5' Olive gray (5Y4/2) SILT, little clay, trace fine-grained sand, saturated, soft, partially black stained		
9			0.2	05-MET-130				9' no staining, damp, firm		
			0.0							
10		42	0.0							
			0.0							
11			0.0							
			0.0							
12			0.2							
			0.1							
13			0.2					13' color becomes brown (10YR 4/3), saturated		
			0.1							
14		42	0.1							
			0.0			SW		14.5' - 15.5' Brown (10YR 4/3) medium to coarse-grained SAND, little fine-grained gravel, saturated		
15			0.0							
			0.0							
16										

10/6/05 MWH\_BORINGWELL\_LOG FORMER METRO CONTAINER INVESTIGATION BORING &amp; PZ LOGS.GPJ

05-MET-130

AR100465



**MWH**

MWH Americas, Inc.  
335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-131**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/18/2005

**Date Finished:** 8/18/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Drum Storage Area - North

**Drilling Company:**

ECDI

**Ground Elevation (ft/msl):** 18.0

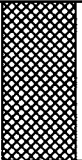




**Total Depth (ft):** 12.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 9

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.5	05-MET-131		FILL		0' - 1.5' Brown (10YR 4/3) SILT and fine to medium-grained SAND, little fine-grained gravel, damp		No groundwater collected at this location
1			0.4							
			0.2							
			0.7			FILL		1.5' - 2' GRAVEL		
2	30		0.8	05-MET-131		ML		2' - 2.5' Partially black stained brown (10YR 4/3) SILT and fine to medium-grained SAND, little fine-grained gravel, damp		
3								2.5' - 4' No recovery		
4			0.4			ML		4' - 9' Brown (10YR 4/3) SILT and fine-grained SAND, wet, trace mica		
5			0.2							
6	24		0.0	05-MET-131						
7			0.0							
8			0.0							
9			0.2			ML		9' - 11.5' Brown (10YR 4/3) SILT, little medium to coarse-grained SAND, wet, trace mica		
10	42		0.0	05-MET-131						
11			0.0							
12			0.0							

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335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-132**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/16/2005

**Date Finished:** 8/16/2005

**Drilling Method:** Geoprobe Truck Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North Property Line

**Drilling Company:** ECDI

**Ground Elevation (ft/msl):** 18.8

**Total Depth (ft):** 16.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 12

**Weather Conditions:** NA

**Logged By:**

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.1			ML		0' - 2.5' Yellowish brown (10YR 5/4) SILT and fine-grained SAND, little fine-grained gravel, dry		
1			0.1							
2		36	0.3							
			0.0							
			0.0			ML		2.5' - 12' Yellowish brown (10YR 5/4) SILT, trace clay and fine-grained sand, damp, firm		Temporary Piezometer screened at 0 - 16' bgs
3										
4			0.0							
5			0.0							
6		48	0.0							
7			0.0							
8			0.0							
9			0.1							
10		42	0.2							
11			0.0							
			0.1							
			0.1	05-MET-132						
12			0.1							
13			0.0			SP		12' - 15' Yellowish brown (10YR 5/4) fine to medium-grained SAND, little silt, saturated, little mica		
14		36	0.0							
15			0.0							
16			0.0							

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335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-133**

Page 1 of 1

**Project Name:** Former Metro Container  
Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/23/2005

**Date Finished:** 8/23/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Disposal Area - North

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 15.7

**Total Depth (ft):** 15.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 8

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0				FILL	0' - 10.25' Brown SILT, WOOD, FIBEROUS MATERIALS and GRAVELS, damp.		
1			0.4							
2		24	0.2							
3										Temporary Piezometer screened 0-15' bgs
4										
5			1.4							
6			0.2							
7			0.2							
8		45	0.1							
9			0.0	05-MET-133				8' saturated, trace black staining and slight chemical odor to 8.5'		
10			0.0							
11			0.0			ML		10.25' - 13' Tan and gray mottled SILT, saturated.		
12			0.0							
13		36	0.0							
14										
15										

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Malvern, Pennsylvania 19355

**Boring ID: 05-MET-134**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/23/2005

**Date Finished:** 8/23/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** Disposal Area - North

**Drilling Company:** ECDI ( )

**Ground Elevation (ft/msl):** 16.0

**Total Depth (ft):** 20.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 12

**Weather Conditions:** NA

**Logged By:** ( )

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.2			FILL		0' - 7.5' Brown SILT, BRICK, CONCRETE, little wood, damp.		
1			0.8							
2		30	0.4							
3										
4										
5			0.3							
6			0.2							
7		42	0.1	05-MET-134				7' dark brown		
8			0.2			ML		7.5' - 13' Tan SILT, damp.		
9										
10			0.3					10' gray mottling		
11			0.2							
12		42	0.0					12' saturated, trace fine-grained sand		Temporary Piezometer screened 10-20' bgs
13			0.0			SW		13' - 16' Tan medium-grained SAND, some subrounded to rounded quartz gravel, saturated.		
14										
15			0.0							
16			0.0			ML		16' - 16.75' Gray SILT, some clay, saturated, high plasticity.		
17		42	0.0			SP		16.75' - 18.5' Gray fine to medium-grained SAND, trace coarse-grained sand, saturated.		
18			0.0							
19										
20										



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335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: 05-MET-135**

Page 1 of 1

**Project Name:** Former Metro Container Investigation

**Location:** Trainer, PA

**Project Number:** 2111133.010101

**Date Started:** 8/23/2005

**Date Finished:** 8/23/2005

**Drilling Method:** Geoprobe Track Rig

**Sampling Method:** Geoprobe Macrocore

**State Permit Number:** NA

**Boring Location:** North Property Line

**Drilling Company:** ECDI [REDACTED]

**Ground Elevation (ft/msl):** 18.5

**Total Depth (ft):** 24.0'

**Boring Diameter (in):** 2"

**Water Level During Drilling (ft/bgs):** 8.75

**Weather Conditions:** NA

**Logged By:** [REDACTED]

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0			0.0	05-MET-135		ML		0' - 6' Tan SILT, trace fine-grained sand and angular fine-grained gravel, dry.		Temporary Piezometer screened 1-21' bgs
			0.0							
			0.0							
	54		0.1							
			0.0					3' damp, trace glass		
			0.0							
5			0.0			ML		6' - 10' Gray and tan mottled SILT, damp.		
			0.0							
	60		0.0					8.75' saturated		
			0.0							
			0.0							
10			0.0			SP		10' - 11' Brown fine-grained SAND, little subrounded and subangular fine to coarse-grained gravels and silt, saturated.		
			0.0			ML		11' - 15' Gray and tan mottled SILT, saturated.		
	48		0.0							
			0.0							
			0.0							
15			0.0			ML		15' - 21' Dark gray SILT, saturated.		
			0.0							
	48		0.1							
			0.2							
			0.4					18' trace organic material		
			0.0							
			0.0							
20			0.0			PT		21' - 22.5' Dark brown organic SILT to PEAT		
			0.0							
	45		0.1			SP		22.5' - 22.75' Fine to medium-grained SAND with black fine-grained sand and silt laminations, saturated.		
			0.1			GW		22.75' - 24' Subrounded to rounded quartz PEBBLES, little angular quartz fragments and fine to medium-grained sand, saturated.		
			0.0							
25										Refusal at 24' bgs

**APPENDIX D**

**LABORATORY ANALYTICAL REPORTS**  
**(CD ONLY)**

**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 954514. Samples arrived at the laboratory on Monday, August 08, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-122 Grab Soil Sample	4579182
05-MET-114S Grab Soil Sample	4579183
05-MET-114 Grab Soil Sample	4579184
05-MET-114V Grab Soil Sample	4579185
05-MET-117 Grab Soil Sample	4579186
05-MET-115 Grab Soil Sample	4579187
EB-080805S Equipment Blank Grab Water Sample	4579188
EB-080805W Grab Water Sample	4579189
EB-080805W Filtered Grab Water Sample	4579190
TB-080805W Trip Blank Water Sample	4579191
05-MET-122 Grab Water Sample	4579192
05-MET-114 Grab Water Sample	4579193

1 COPY TO

Montgomery Watson Harza

Attn: [REDACTED]

Questions? Contact your Client Services Representative

[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]  
Senior Chemist



Lancaster Laboratories Sample No. SW 4579182

05-MET-122 Grab Soil Sample

N(6.25-6.75)

Former Metro Container Investigation

Collected: 08/08/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5-122

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.297	0.0038	0.141	mg/kg	1
06925	Thallium	7440-28-0	1.57 J	1.37	2.86	mg/kg	1
06935	Arsenic	7440-38-2	6.72	0.958	2.86	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.37	2.86	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.17	2.86	mg/kg	1
06947	Beryllium	7440-41-7	0.671 J	0.0615	0.715	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.123	0.715	mg/kg	1
06951	Chromium	7440-47-3	144.	0.758	2.14	mg/kg	1
06953	Copper	7440-50-8	35.4	0.429	1.43	mg/kg	1
06955	Lead	7439-92-1	23.5	1.12	2.86	mg/kg	1
06961	Nickel	7440-02-0	25.0	0.472	1.43	mg/kg	1
06966	Silver	7440-22-4	0.316 J	0.272	0.715	mg/kg	1
06972	Zinc	7440-66-6	90.3	0.658	2.86	mg/kg	1
00111	Moisture	n.a.	32.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.26	0.72	mg/kg	1
05912	Phenols	n.a.	23.8	3.5	10.3	mg/kg	2
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.250	1.22	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.250	1.22	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.250	1.22	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.486	2.50	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	0.486	2.50	mg/kg	1000
01223	Endrin	72-20-8	N.D.	0.486	2.50	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	2.50	12.2	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.250	1.22	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.250	1.22	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.309	1.22	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.250	1.22	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	0.486	2.50	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	0.486	2.50	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	5.89	25.0	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	16.2	48.6	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.250	1.22	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	0.486	2.50	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.486	2.50	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	0.486	2.50	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR100474

Lancaster Laboratories Sample No. SW 4579182

05-MET-122 Grab Soil Sample

N(6.25-6.75)

Former Metro Container Investigation

Collected: 08/08/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5-122

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	10.9	25.0	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	4.86	25.0	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	7.07	25.0	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	4.42	25.0	mg/kg	1000
01997	PCB-1248	12672-29-6	N.D.	16.2	48.6	mg/kg	1000
01998	PCB-1254	11097-69-1	N.D.	4.86	25.0	mg/kg	1000
01999	PCB-1260	11096-82-5	N.D.	16.2	48.6	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	2.2	11.	mg/kg	5
01185	Phenol	108-95-2	11.	0.74	3.7	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.74	3.7	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.74	3.7	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.74	3.7	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.74	3.7	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	1.5	3.7	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.74	3.7	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	3.7	11.	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	1.5	3.7	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	3.7	11.	mg/kg	5
01195	Pyrene	129-00-0	10.	0.74	3.7	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	0.91	0.74	3.7	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.74	3.7	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	5.0	2.2	3.7	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.74	3.7	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.74	3.7	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	15.	44.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	3.7	11.	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	1.5	3.7	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.74	3.7	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.74	3.7	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.74	3.7	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.74	3.7	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.74	3.7	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.74	3.7	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.74	3.7	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR100475

Lancaster Laboratories Sample No. SW 4579182

05-MET-122 Grab Soil Sample

N(6.25-6.75)

Former Metro Container Investigation

Collected: 08/08/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5-122

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.74	3.7	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.74	3.7	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	1.5	3.7	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	3.7	11.	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.74	3.7	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.74	3.7	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	1.5	3.7	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.74	3.7	mg/kg	5
03768	Fluorene	86-73-7	N.D.	0.74	3.7	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.74	3.7	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	1.5	3.7	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.74	3.7	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	4.5	0.74	3.7	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.74	3.7	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.74	3.7	mg/kg	5
03775	Phenanthrene	85-01-8	5.0	0.74	3.7	mg/kg	5
03776	Anthracene	120-12-7	1.5 J	0.74	3.7	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	1.5	3.7	mg/kg	5
03778	Fluoranthene	206-44-0	1.8 J	0.74	3.7	mg/kg	5
03779	Benzidine	92-87-5	N.D.	15.	44.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	1.5	3.7	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	8.5	0.74	3.7	mg/kg	5
03782	Chrysene	218-01-9	18.	0.74	3.7	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.2	7.4	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.5	7.4	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	1.5	3.7	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	4.3	0.74	3.7	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	1.2 J	0.74	3.7	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	4.9	0.74	3.7	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.6 J	0.74	3.7	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	3.5 J	0.74	3.7	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	3.4 J	0.74	3.7	mg/kg	5

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR100476

**Lancaster Laboratories Sample No. SW 4579182**
**05-MET-122 Grab Soil Sample**
**N(6.25-6.75)**
**Former Metro Container Investigation**

Collected: 08/08/2005 11:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5-122

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Matrix QC was performed on this sample for the GCMS semivolatile analysis. Please see the attached QC summary report for compounds showing a matrix bias.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	1.5	7.3	mg/kg	996.02
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.73	7.3	mg/kg	996.02
02020	t-Butyl alcohol	75-65-0	N.D.	29.	150.	mg/kg	996.02
05444	Chloromethane	74-87-3	N.D.	2.9	7.3	mg/kg	996.02
05445	Vinyl Chloride	75-01-4	N.D.	1.5	7.3	mg/kg	996.02
05446	Bromomethane	74-83-9	N.D.	2.9	7.3	mg/kg	996.02
05447	Chloroethane	75-00-3	N.D.	2.9	7.3	mg/kg	996.02
05448	Trichlorofluoromethane	75-69-4	N.D.	2.9	7.3	mg/kg	996.02
05449	1,1-Dichloroethene	75-35-4	N.D.	1.5	7.3	mg/kg	996.02
05450	Methylene Chloride	75-09-2	N.D.	2.9	7.3	mg/kg	996.02
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	1.5	7.3	mg/kg	996.02
05452	1,1-Dichloroethane	75-34-3	N.D.	1.5	7.3	mg/kg	996.02
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	1.5	7.3	mg/kg	996.02
05455	Chloroform	67-66-3	N.D.	1.5	7.3	mg/kg	996.02
05457	1,1,1-Trichloroethane	71-55-6	N.D.	1.5	7.3	mg/kg	996.02
05458	Carbon Tetrachloride	56-23-5	N.D.	1.5	7.3	mg/kg	996.02
05460	Benzene	71-43-2	N.D.	0.73	7.3	mg/kg	996.02
05461	1,2-Dichloroethane	107-06-2	N.D.	1.5	7.3	mg/kg	996.02
05462	Trichloroethene	79-01-6	N.D.	1.5	7.3	mg/kg	996.02
05463	1,2-Dichloropropane	78-87-5	N.D.	1.5	7.3	mg/kg	996.02
05465	Bromodichloromethane	75-27-4	N.D.	1.5	7.3	mg/kg	996.02
05466	Toluene	108-88-3	N.D.	1.5	7.3	mg/kg	996.02
05467	1,1,2-Trichloroethane	79-00-5	N.D.	1.5	7.3	mg/kg	996.02
05468	Tetrachloroethene	127-18-4	N.D.	1.5	7.3	mg/kg	996.02
05470	Dibromochloromethane	124-48-1	N.D.	1.5	7.3	mg/kg	996.02
05472	Chlorobenzene	108-90-7	N.D.	1.5	7.3	mg/kg	996.02
05474	Ethylbenzene	100-41-4	N.D.	1.5	7.3	mg/kg	996.02
05478	Bromoform	75-25-2	N.D.	1.5	7.3	mg/kg	996.02
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.5	7.3	mg/kg	996.02
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.5	7.3	mg/kg	996.02
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.5	7.3	mg/kg	996.02

\*=This limit was used in the evaluation of the final result

AR100477



Lancaster Laboratories Sample No. SW 4579182

05-MET-122 Grab Soil Sample

N(6.25-6.75)

Former Metro Container Investigation

Collected: 08/08/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5-122

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06301	Xylene (Total)	1330-20-7	N.D.	1.5	7.3	mg/kg	996.02
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.9	15.	mg/kg	996.02
07586	Acrolein	107-02-8	N.D.	29.	150.	mg/kg	996.02
07587	Acrylonitrile	107-13-1	N.D.	5.9	29.	mg/kg	996.02

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. The reporting limits were further raised due to sample foaming.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

The percent recoveries for bromodichloromethane were outside QC limits high in the LCS/LCSD associated with this sample. Since the recoveries were high and this compound was not detected in the sample, no further action was taken.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/10/2005 08:04	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/11/2005 07:58	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/10/2005 07:52	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/10/2005 07:52	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/10/2005 07:52	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100478

Lancaster Laboratories Sample No. SW 4579182

05-MET-122 Grab Soil Sample

N(6.25-6.75)

Former Metro Container Investigation

Collected: 08/08/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5-122

06947	Beryllium	SW-846 6010B	1	08/10/2005 07:52	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/10/2005 07:52	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/10/2005 07:52	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/10/2005 07:52	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/10/2005 07:52	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/10/2005 07:52	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/10/2005 07:52	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/10/2005 07:52	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/09/2005 21:14	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/11/2005 09:26	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/12/2005 09:34	[REDACTED]	2
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/10/2005 20:00	[REDACTED]	1000
04688	PPL Semivolatiles	SW-846 8270C	1	08/10/2005 16:42	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/12/2005 02:36	[REDACTED]	996.02
07584	PPL Volatiles	SW-846 8260B	1	08/12/2005 02:36	[REDACTED]	996.02
00381	BNA Soil Extraction	SW-846 3550B	1	08/09/2005 20:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/09/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/09/2005 22:15	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/10/2005 10:10	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/11/2005 15:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/10/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/09/2005 16:25	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/10/2005 09:50	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR100479

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4579182	SDG No.: _____
Sample wt/vol: 5.02 (g/mL) g	Lab File ID: HP07536.i/05aug11b.b/qg11s41.d	
Level: (low/med) MED	Date Received: 08/08/05	
% Moisture: not dec. 32	Date Analyzed: 08/12/05	
Column: (pack/cap) CAP	Dilution Factor: 996.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100480

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4579182  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0303.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture: 32 Decanted: (Y/N)                      Date Extracted: 08/09/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/10/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.441	51	JAB
2.	Unknown Alkane	7.071	27	J
3.	Unknown Alkane	8.129	33	J
4.	Unknown Alkane	8.362	39	J
5.	Unknown Alkane	8.762	48	J
6.	Unknown Cycloalkane	9.027	45	J
7.	Unknown Alkane	9.057	55	J
8.	Unknown	9.088	29	J
9.	Fluoranthene, 2-methyl-	9.113	33	JX
10.	Unknown Alkane	9.156	39	J
11.	Unknown Alkane	9.236	27	J
12.	Unknown	9.279	29	J
13.	Unknown Alkane	9.340	87	J
14.	Benzo[b]naphtho[2,1-d]thioph	9.432	67	JX
15.	Unknown Alkane	9.506	30	J
16.	Unknown Alkane	9.611	57	J
17.	Benzo[b]naphtho[2,3-d]thioph	9.715	29	JX
18.	Unknown	9.771	44	J
19.	Unknown Alkane	9.807	29	J
20.	Unknown Alkane	9.881	48	J
21.	Unknown	9.967	53	J
22.	Unknown Alkane	10.146	47	J
23.	Unknown Alkane	10.226	42	J
24.	Benzo[c]phenanthrene, 5,8-di	10.336	34	JX
25.	Unknown Alkane	10.404	58	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100481



**Lancaster Laboratories Sample No. SW 4579183**

**05-MET-114S Grab Soil Sample**

**N(0.75-1.25)**

**Former Metro Container Investigation**

Collected: 08/08/2005 12:20

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

114S-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.868	0.0029	0.108	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.05	2.20	mg/kg	1
06935	Arsenic	7440-38-2	3.24	0.736	2.20	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.05	2.20	mg/kg	1
06944	Antimony	7440-36-0	2.71	0.900	2.20	mg/kg	1
06947	Beryllium	7440-41-7	10.5	0.0472	0.549	mg/kg	1
06949	Cadmium	7440-43-9	5.04	0.0944	0.549	mg/kg	1
06951	Chromium	7440-47-3	138.	0.582	1.65	mg/kg	1
06953	Copper	7440-50-8	735.	0.329	1.10	mg/kg	1
06955	Lead	7439-92-1	546.	0.856	2.20	mg/kg	1
06961	Nickel	7440-02-0	115.	0.362	1.10	mg/kg	1
06966	Silver	7440-22-4	1.72	0.209	0.549	mg/kg	1
06972	Zinc	7440-66-6	4,340.	5.05	22.0	mg/kg	10
00111	Moisture	n.a.	10.7	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.19	0.54	mg/kg	1
05912	Phenols	n.a.	N.D.	1.3	3.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.190	0.929	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.190	0.929	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.190	0.929	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.370	1.90	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	0.370	1.90	mg/kg	1000
01223	Endrin	72-20-8	N.D.	0.447	1.90	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	1.90	9.29	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.190	0.929	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.190	0.929	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.235	0.929	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.190	0.929	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	0.370	1.90	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	0.370	1.90	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	4.48	19.0	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	12.3	37.0	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.190	0.929	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	0.370	1.90	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.370	1.90	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	1.06	1.90	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR100482

**Lancaster Laboratories Sample No. SW 4579183**

**05-MET-114S Grab Soil Sample**

**N(0.75-1.25)**

**Former Metro Container Investigation**

Collected: 08/08/2005 12:20

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

114S-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.		8.29	19.0	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.		3.70	19.0	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.		5.38	19.0	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.		3.36	19.0	mg/kg	1000
01997	PCB-1248	12672-29-6	15.8	J	12.3	37.0	mg/kg	1000
01998	PCB-1254	11097-69-1	22.5		3.70	19.0	mg/kg	1000
01999	PCB-1260	11096-82-5	65.9		12.3	37.0	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.		0.34	1.7	mg/kg	1
01185	Phenol	108-95-2	0.17	J	0.11	0.56	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.		0.11	0.56	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	1.2		0.11	0.56	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.		0.11	0.56	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	0.26	J	0.11	0.56	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.		0.22	0.56	mg/kg	1
01191	Acenaphthene	83-32-9	0.40	J	0.11	0.56	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.		0.56	1.7	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.		0.22	0.56	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.		0.56	1.7	mg/kg	1
01195	Pyrene	129-00-0	6.5		0.11	0.56	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	1.6		0.11	0.56	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.		0.11	0.56	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.		0.34	0.56	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.		0.11	0.56	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.		0.11	0.56	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.		2.2	6.7	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.		0.56	1.7	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.		0.22	0.56	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.		0.11	0.56	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	0.37	J	0.11	0.56	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	1.2		0.11	0.56	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.		0.11	0.56	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.		0.11	0.56	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.		0.11	0.56	mg/kg	1
03759	Isophorone	78-59-1	N.D.		0.11	0.56	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.		0.11	0.56	mg/kg	1
03761	Naphthalene	91-20-3	2.9		0.11	0.56	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100483

Lancaster Laboratories Sample No. SW 4579183

05-MET-114S Grab Soil Sample

N(0.75-1.25)

Former Metro Container Investigation

Collected: 08/08/2005 12:20

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

114S-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.22	0.56	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.56	1.7	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.11	0.56	mg/kg	1
03765	Acenaphthylene	208-96-8	0.13 J	0.11	0.56	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.22	0.56	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.11	0.56	mg/kg	1
03768	Fluorene	86-73-7	0.83	0.11	0.56	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.11	0.56	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.22	0.56	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.11	0.56	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	1.3	0.11	0.56	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.11	0.56	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.11	0.56	mg/kg	1
03775	Phenanthrene	85-01-8	5.2	0.11	0.56	mg/kg	1
03776	Anthracene	120-12-7	1.3	0.11	0.56	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	0.46 J	0.22	0.56	mg/kg	1
03778	Fluoranthene	206-44-0	5.4	0.11	0.56	mg/kg	1
03779	Benzidine	92-87-5	N.D.	2.2	6.7	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	3.2	0.22	0.56	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	2.0	0.11	0.56	mg/kg	1
03782	Chrysene	218-01-9	2.6	0.11	0.56	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.34	1.1	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	45.	1.1	5.6	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.22	0.56	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	2.1	0.11	0.56	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	1.0	0.11	0.56	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.6	0.11	0.56	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.88	0.11	0.56	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.36 J	0.11	0.56	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	1.1	0.11	0.56	mg/kg	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.051	0.26	mg/kg	45.62
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR100484

Lancaster Laboratories Sample No. SW 4579183

05-MET-114S Grab Soil Sample

N(0.75-1.25)

Former Metro Container Investigation

Collected: 08/08/2005 12:20

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

114S-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	mg/kg	45.62
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.1	mg/kg	45.62
05444	Chloromethane	74-87-3	N.D.	0.10	0.26	mg/kg	45.62
05445	Vinyl Chloride	75-01-4	N.D.	0.051	0.26	mg/kg	45.62
05446	Bromomethane	74-83-9	N.D.	0.10	0.26	mg/kg	45.62
05447	Chloroethane	75-00-3	N.D.	0.10	0.26	mg/kg	45.62
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.26	mg/kg	45.62
05449	1,1-Dichloroethene	75-35-4	N.D.	0.051	0.26	mg/kg	45.62
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.26	mg/kg	45.62
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.051	0.26	mg/kg	45.62
05452	1,1-Dichloroethane	75-34-3	N.D.	0.051	0.26	mg/kg	45.62
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.051	0.26	mg/kg	45.62
05455	Chloroform	67-66-3	N.D.	0.051	0.26	mg/kg	45.62
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.051	0.26	mg/kg	45.62
05458	Carbon Tetrachloride	56-23-5	N.D.	0.051	0.26	mg/kg	45.62
05460	Benzene	71-43-2	0.031 J	0.026	0.26	mg/kg	45.62
05461	1,2-Dichloroethane	107-06-2	N.D.	0.051	0.26	mg/kg	45.62
05462	Trichloroethene	79-01-6	N.D.	0.051	0.26	mg/kg	45.62
05463	1,2-Dichloropropane	78-87-5	N.D.	0.051	0.26	mg/kg	45.62
05465	Bromodichloromethane	75-27-4	N.D.	0.051	0.26	mg/kg	45.62
05466	Toluene	108-88-3	0.20 J	0.051	0.26	mg/kg	45.62
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.051	0.26	mg/kg	45.62
05468	Tetrachloroethene	127-18-4	0.089 J	0.051	0.26	mg/kg	45.62
05470	Dibromochloromethane	124-48-1	N.D.	0.051	0.26	mg/kg	45.62
05472	Chlorobenzene	108-90-7	0.23 J	0.051	0.26	mg/kg	45.62
05474	Ethylbenzene	100-41-4	1.6	0.051	0.26	mg/kg	45.62
05478	Bromoform	75-25-2	N.D.	0.051	0.26	mg/kg	45.62
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.051	0.26	mg/kg	45.62
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.051	0.26	mg/kg	45.62
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.051	0.26	mg/kg	45.62
06301	Xylene (Total)	1330-20-7	1.3	0.051	0.26	mg/kg	45.62
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.51	mg/kg	45.62
07586	Acrolein	107-02-8	N.D.	1.0	5.1	mg/kg	45.62
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	45.62

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

The percent recoveries for bromochloromethane were outside QC limits high in the LCS/LCSD associated with this sample. Since the recoveries were high and this

\*=This limit was used in the evaluation of the final result

AR100485

Lancaster Laboratories Sample No. SW 4579183

05-MET-114S Grab Soil Sample

N(0.75-1.25)

Former Metro Container Investigation

Collected: 08/08/2005 12:20

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

114S-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	compound was not detected in the sample, no further action was taken.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/10/2005 08:09	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/11/2005 08:02	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/10/2005 07:58	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/10/2005 07:58	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/10/2005 07:58	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/10/2005 07:58	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/10/2005 07:58	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/10/2005 07:58	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/10/2005 07:58	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/10/2005 07:58	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/10/2005 07:58	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/10/2005 07:58	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/11/2005 08:07	[REDACTED]	10
00111	Moisture	EPA 160.3 modified	1	08/09/2005 21:14	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/11/2005 09:27	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/16/2005 11:02	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/10/2005 21:02	[REDACTED]	1000
04688	PPL Semivolatiles	SW-846 8270C	1	08/10/2005 17:45	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/10/2005 23:16	[REDACTED]	5

\*=This limit was used in the evaluation of the final result

AR100486



**Lancaster Laboratories Sample No. SW 4579183**

**05-MET-114S Grab Soil Sample**

**N(0.75-1.25)**

**Former Metro Container Investigation**

Collected: 08/08/2005 12:20

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:46

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

114S-

06373	Add'l Volatile Compounds	SW-846 8260B	1	08/12/2005 03:05	[REDACTED]	45.62
07584	PPL Volatiles	SW-846 8260B	1	08/12/2005 03:05	[REDACTED]	45.62
00381	BNA Soil Extraction	SW-846 3550B	1	08/09/2005 20:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/09/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/09/2005 22:15	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/10/2005 10:10	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/11/2005 15:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/10/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/09/2005 16:27	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/10/2005 09:51	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4579183  
 Sample wt/vol: 5.48 (g/mL) g Lab File ID: HP07536.i/05aug11b.b/qg11s42.d  
 Level: (low/med) MED Date Received: 08/08/05  
 % Moisture: not dec. 11 Date Analyzed: 08/12/05  
 Column: (pack/cap) CAP Dilution Factor: 45.6  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	12.10	1.2	J
2.	!Unknown	12.60	.73	J
3.	!Unknown alkane	12.63	1.3	J
4.	!Unknown aromatic	12.80	.81	J
5.	!Unknown alkane	12.85	.66	J
6.	!Unknown	12.96	.63	J
7.	!Unknown	13.08	1.7	J
8.	!Unknown	13.25	.97	J
9.	!Unknown halocarbon	13.48	1.3	J
10.	!Unknown aromatic	13.57	.69	J
11.	!Unknown aromatic	13.69	1.1	J
12.	!Unknown	13.79	.74	J
13.	!Unknown	13.91	.78	J
14.	!Unknown aromatic	14.58	.69	J
15.	!Unknown	15.11	.65	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100488

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4579183  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0306.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture: 11 Decanted: (Y/N)                      Date Extracted: 08/09/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/10/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.453	33	JAB
2.	Unknown Alkane	3.640	6.6	J
3.	Unknown Alkane	4.286	5.5	J
4.92-52-4	Biphenyl	5.804	8.6	J
5.	Unknown	5.835	13	J
6.101-84-8	Diphenyl ether	5.897	23	J
7.	Naphthalene, 1,2-dimethyl-	5.995	10	JX
8.	Phenol, 2,6-bis(1,1-dimethyl	6.020	12	JX
9.	Unknown Alkane	6.093	18	J
10.	Unknown	6.198	6.5	J
11.	Unknown	6.536	7.0	J
12.	Unknown	6.727	55	J
13.	Unknown	8.258	7.1	J
14.	Unknown Alkane	8.362	12	J
15.	Unknown Alkane	9.438	7.6	J
16.	Unknown Alkane	10.238	9.9	J
17.	Unknown	10.324	7.4	J
18.	Unknown	10.557	6.8	J
19.	Unknown Alkane	10.840	9.5	J
20.	Unknown	11.037	9.4	J
21.	Unknown	11.098	9.1	J
22.	Unknown	11.215	9.9	J
23.	Unknown	11.455	8.1	J
24.	Unknown Alkane	12.082	8.4	J
25.	Unknown	12.488	11	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100489

Lancaster Laboratories Sample No. SW 4579184

05-MET-114 Grab Soil Sample

N(16.25-16.75)

Former Metro Container Investigation

Collected: 08/08/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:47

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-114-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0439 J	0.0040	0.150	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.50	3.12	mg/kg	1
06935	Arsenic	7440-38-2	1.73 J	1.04	3.12	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.50	3.12	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.28	3.12	mg/kg	1
06947	Beryllium	7440-41-7	0.532 J	0.0670	0.780	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.134	0.780	mg/kg	1
06951	Chromium	7440-47-3	24.6	0.826	2.34	mg/kg	1
06953	Copper	7440-50-8	4.05	0.468	1.56	mg/kg	1
06955	Lead	7439-92-1	9.26	1.22	3.12	mg/kg	1
06961	Nickel	7440-02-0	10.4	0.515	1.56	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.296	0.780	mg/kg	1
06972	Zinc	7440-66-6	31.4	0.717	3.12	mg/kg	1
00111	Moisture	n.a.	36.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	1.6	0.28	0.77	mg/kg	1
05912	Phenols	n.a.	74.7 J	37.8	110.	mg/kg	20
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0134	0.0654	mg/kg	50
01219	Heptachlor	76-44-8	N.D.	0.0134	0.0654	mg/kg	50
01220	Aldrin	309-00-2	N.D.	0.0134	0.0654	mg/kg	50
01221	p,p-DDT	50-29-3	N.D.	0.0260	0.134	mg/kg	50
01222	Dieldrin	60-57-1	N.D.	0.0260	0.134	mg/kg	50
01223	Endrin	72-20-8	N.D.	0.0260	0.134	mg/kg	50
01859	Methoxychlor	72-43-5	N.D.	0.134	0.654	mg/kg	50
01981	Alpha BHC	319-84-6	N.D.	0.0134	0.0654	mg/kg	50
01982	Beta BHC	319-85-7	N.D.	0.0134	0.0654	mg/kg	50
01983	Delta BHC	319-86-8	N.D.	0.0165	0.0654	mg/kg	50
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0134	0.0654	mg/kg	50
01985	p,p-DDE	72-55-9	N.D.	0.0260	0.134	mg/kg	50
01986	p,p-DDD	72-54-8	N.D.	0.0260	0.134	mg/kg	50
01987	Chlordane	57-74-9	N.D.	0.315	1.34	mg/kg	50
01988	Toxaphene	8001-35-2	N.D.	0.866	2.60	mg/kg	50
01989	Endosulfan I	959-98-8	N.D.	0.0134	0.0654	mg/kg	50
01990	Endosulfan II	33213-65-9	N.D.	0.0260	0.134	mg/kg	50
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0260	0.134	mg/kg	50
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0260	0.134	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR100490

**Lancaster Laboratories Sample No. SW 4579184**
**05-MET-114 Grab Soil Sample**
**N(16.25-16.75)**
**Former Metro Container Investigation**

Collected: 08/08/2005 12:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:47

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-114-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.583	1.34	mg/kg	50
01994	PCB-1221	11104-28-2	N.D.	0.260	1.34	mg/kg	50
01995	PCB-1232	11141-16-5	N.D.	0.378	1.34	mg/kg	50
01996	PCB-1242	53469-21-9	N.D.	0.236	1.34	mg/kg	50
01997	PCB-1248	12672-29-6	N.D.	0.866	2.60	mg/kg	50
01998	PCB-1254	11097-69-1	0.372 J	0.260	1.34	mg/kg	50
01999	PCB-1260	11096-82-5	N.D.	0.866	2.60	mg/kg	50

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

**04688 PPL Semivolatiles**

00176	1,4-Dioxane	123-91-1	N.D.	0.47	2.4	mg/kg	1
01185	Phenol	108-95-2	30.	0.79	3.9	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.16	0.79	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.16	0.79	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.16	0.79	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.16	0.79	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.31	0.79	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.16	0.79	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.79	2.4	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.31	0.79	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.79	2.4	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.16	0.79	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.16	0.79	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.16	0.79	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	1.4	0.47	0.79	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.16	0.79	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.16	0.79	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	3.1	9.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.79	2.4	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.31	0.79	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.16	0.79	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.16	0.79	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.16	0.79	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.16	0.79	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.16	0.79	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.16	0.79	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.16	0.79	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.16	0.79	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.16	0.79	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100491



Lancaster Laboratories Sample No. SW 4579184

05-MET-114 Grab Soil Sample

N(16.25-16.75)

Former Metro Container Investigation

Collected: 08/08/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:47

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-114-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.31	0.79	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.79	2.4	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.16	0.79	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.16	0.79	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.31	0.79	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.16	0.79	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.16	0.79	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.16	0.79	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.31	0.79	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.16	0.79	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.16	0.79	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.16	0.79	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.16	0.79	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.16	0.79	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.16	0.79	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.31	0.79	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.16	0.79	mg/kg	1
03779	Benzidine	92-87-5	N.D.	3.1	9.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.31	0.79	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.16	0.79	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.16	0.79	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.47	1.6	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	1.1 J	0.31	1.6	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.31	0.79	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.16	0.79	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.16	0.79	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.16	0.79	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.16	0.79	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.16	0.79	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.16	0.79	mg/kg	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	0.95
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR100492

Lancaster Laboratories Sample No. SW 4579184

05-MET-114 Grab Soil Sample

N(16.25-16.75)

Former Metro Container Investigation

Collected: 08/08/2005 12:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:47

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-114-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	0.95
02020	t-Butyl alcohol	75-65-0	0.053 J	0.030	0.15	mg/kg	0.95
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	0.95
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	0.95
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	0.95
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	0.95
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	0.95
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	0.95
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	0.95
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	0.95
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	0.95
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	0.95
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	0.95
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	0.95
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	0.95
05460	Benzene	71-43-2	0.016	0.0007	0.007	mg/kg	0.95
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	0.95
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	0.95
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	0.95
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	0.95
05466	Toluene	108-88-3	0.066	0.001	0.007	mg/kg	0.95
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	0.95
05468	Tetrachloroethene	127-18-4	0.012	0.001	0.007	mg/kg	0.95
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	0.95
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	0.95
05474	Ethylbenzene	100-41-4	0.015	0.001	0.007	mg/kg	0.95
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	0.95
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	0.95
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	0.95
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	0.95
06301	Xylene (Total)	1330-20-7	0.068	0.001	0.007	mg/kg	0.95
07586	Acrolein	107-02-8	N.D.	0.030	0.15	mg/kg	0.95
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.030	mg/kg	0.95

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR100493

Lancaster Laboratories Sample No. SW 4579184

05-MET-114 Grab Soil Sample

N(16.25-16.75)

Former Metro Container Investigation

Collected: 08/08/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:47

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-114-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/10/2005 08:10	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/11/2005 08:12	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/10/2005 08:03	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/10/2005 08:03	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/10/2005 08:03	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/10/2005 08:03	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/10/2005 08:03	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/10/2005 08:03	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/10/2005 08:03	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/11/2005 08:12	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/10/2005 08:03	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/10/2005 08:03	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/10/2005 08:03	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/09/2005 21:14	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/11/2005 09:30	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/12/2005 09:35	[REDACTED]	20
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/11/2005 17:05	[REDACTED]	50
04688	PPL Semivolatiles	SW-846 8270C	1	08/10/2005 18:06	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 01:36	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 17:08	[REDACTED]	0.95
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 17:08	[REDACTED]	0.95
00381	BNA Soil Extraction	SW-846 3550B	1	08/09/2005 20:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/09/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/09/2005 22:15	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/10/2005 10:10	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100494

**Lancaster Laboratories Sample No. SW 4579184**

**05-MET-114 Grab Soil Sample**

**N(16.25-16.75)**

**Former Metro Container Investigation**

Collected: 08/08/2005 12:30

by

Account Number: 11549

Submitted: 08/08/2005 18:30

Montgomery Watson Harza

Reported: 08/22/2005 at 14:47

P.O. Box 7009

Discard: 09/22/2005

Pasadena CA 91109-7009

-114-

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/11/2005 15:20		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/10/2005 02:00		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/09/2005 16:28		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/10/2005 09:52		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4579184  
 Sample wt/vol: 5.25 (g/mL) g Lab File ID: HP09193.i/05aug15a.b/xg15s01.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture: not dec. 36 Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.87	4.9	J
2. 74-93-1	!Methanethiol	2.44	0.53	J
3. 75-18-3	!Dimethyl sulfide	3.67	0.70	J
4.	!Unknown	3.85	17.	J
5.	!Unknown aliphatic	8.15	0.022	J
6. 108-10-1	!Methyl Isobutyl Ketone	9.56	0.022	J
7.	!Unknown aliphatic	9.92	0.034	J
8.	!Unknown alcohol	9.99	0.044	J
9.	!Unknown siloxane	10.23	0.038	J B
10.	!Unknown siloxane	12.25	0.076	J B
11.	!Unknown aromatic	12.40	0.026	J
12.	!Unknown aromatic	12.75	0.031	J
13. 108-95-2	!Phenol	13.28	0.040	J
14.	!Unknown siloxane	13.57	0.025	J
15.	!Unknown aromatic	13.76	0.033	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100496



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4579184  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0307.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture: 36 Decanted: (Y/N)                      Date Extracted: 08/09/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/10/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.427	2.9	J
2.	!Unknown	1.507	2.9	J
3.	!Unknown	1.870	3.2	J
4.123-42-2	!2-Pentanone, 4-hydroxy-4-met	2.460	62	JAB
5.	!Unknown Organic Acid	2.509	3.0	J
6.	!Unknown	2.577	1.8	J
7.	!Unknown Organic Acid	2.786	2.0	J
8.	!Unknown	3.413	5.7	J
9.95-48-7	!Phenol, 2-methyl-	3.997	13	J
10.106-44-5	!Phenol, 4-methyl-	4.132	13	J
11.	!Unknown	4.391	3.2	J
12.	!Phenol, 3,5-dimethyl-	4.686	5.4	JX
13.	!Indole	5.368	2.1	JX
14.	!Unknown	6.475	9.1	J
15.	!Unknown	7.342	1.7	J
16.	!Unknown Carboxylic Acid	7.987	1.8	J
17.	!Unknown	8.258	1.7	J
18.	!Unknown	8.363	6.7	J
19.	!Unknown Alkene	8.418	6.7	J
20.	!Unknown Alkane	8.449	3.4	J
21.10544-50-0	!Cyclic octaatomic sulfur	8.516	7.8	J
22.	!Unknown	9.033	3.1	J
23.	!Unknown	10.152	11	J
24.	!Unknown	10.963	2.3	J
25.	!Unknown Alkane	11.166	2.5	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100497

Lancaster Laboratories Sample No. SW 4579185

05-MET-114V Grab Soil Sample

N(21.75-22.25)

Former Metro Container Investigation

Collected: 08/08/2005 12:45

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:48

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-114V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0034	0.128	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.24	2.59	mg/kg	1
06935	Arsenic	7440-38-2	N.D.	0.868	2.59	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.24	2.59	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.06	2.59	mg/kg	1
06947	Beryllium	7440-41-7	3.03	0.0557	0.648	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.557	3.24	mg/kg	5
06951	Chromium	7440-47-3	236.	0.687	1.94	mg/kg	1
06953	Copper	7440-50-8	20.0	0.389	1.30	mg/kg	1
06955	Lead	7439-92-1	6.83	1.01	2.59	mg/kg	1
06961	Nickel	7440-02-0	160.	0.428	1.30	mg/kg	1
06966	Silver	7440-22-4	0.562 J	0.246	0.648	mg/kg	1
06972	Zinc	7440-66-6	97.6	0.596	2.59	mg/kg	1
00111	Moisture	n.a.	23.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.63	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00111	0.00543	mg/kg	5
01219	Heptachlor	76-44-8	N.D.	0.00111	0.00543	mg/kg	5
01220	Aldrin	309-00-2	N.D.	0.00111	0.00543	mg/kg	5
01221	p,p-DDT	50-29-3	N.D.	0.00216	0.0111	mg/kg	5
01222	Dieldrin	60-57-1	0.00699 J	0.00216	0.0111	mg/kg	5
01223	Endrin	72-20-8	N.D.	0.00216	0.0111	mg/kg	5
01859	Methoxychlor	72-43-5	N.D.	0.0111	0.0543	mg/kg	5
01981	Alpha BHC	319-84-6	N.D.	0.00111	0.00543	mg/kg	5
01982	Beta BHC	319-85-7	N.D.	0.00111	0.00543	mg/kg	5
01983	Delta BHC	319-86-8	N.D.	0.00137	0.00543	mg/kg	5
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00111	0.00543	mg/kg	5
01985	p,p-DDE	72-55-9	0.00759 J	0.00216	0.0111	mg/kg	5
01986	p,p-DDD	72-54-8	N.D.	0.00216	0.0111	mg/kg	5
01987	Chlordane	57-74-9	N.D.	0.0262	0.111	mg/kg	5
01988	Toxaphene	8001-35-2	N.D.	0.0720	0.216	mg/kg	5
01989	Endosulfan I	959-98-8	N.D.	0.00111	0.00543	mg/kg	5
01990	Endosulfan II	33213-65-9	N.D.	0.00216	0.0111	mg/kg	5
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00216	0.0111	mg/kg	5
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0110	0.0111	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR100498

**Lancaster Laboratories Sample No. SW 4579185**
**05-MET-114V Grab Soil Sample**
**N(21.75-22.25)**
**Former Metro Container Investigation**

Collected: 08/08/2005 12:45

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:48

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-114V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0484	0.111	mg/kg	5
01994	PCB-1221	11104-28-2	N.D.	0.0216	0.111	mg/kg	5
01995	PCB-1232	11141-16-5	N.D.	0.0314	0.111	mg/kg	5
01996	PCB-1242	53469-21-9	N.D.	0.0196	0.111	mg/kg	5
01997	PCB-1248	12672-29-6	0.105 J	0.0720	0.216	mg/kg	5
01998	PCB-1254	11097-69-1	0.171	0.0216	0.111	mg/kg	5
01999	PCB-1260	11096-82-5	0.728	0.0720	0.216	mg/kg	5
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.39	2.0	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.13	0.65	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.13	0.65	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.13	0.65	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.13	0.65	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.13	0.65	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.26	0.65	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.13	0.65	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.65	2.0	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.26	0.65	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.65	2.0	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.13	0.65	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.13	0.65	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.13	0.65	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.39	0.65	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.13	0.65	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.13	0.65	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	2.6	7.9	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.65	2.0	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.26	0.65	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.13	0.65	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.13	0.65	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.13	0.65	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.13	0.65	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.13	0.65	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.13	0.65	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.13	0.65	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.13	0.65	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.13	0.65	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.26	0.65	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.65	2.0	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100499

Lancaster Laboratories Sample No. SW 4579185

05-MET-114V Grab Soil Sample

N(21.75-22.25)

Former Metro Container Investigation

Collected: 08/08/2005 12:45

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:48

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-114V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.13	0.65	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.13	0.65	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.26	0.65	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.13	0.65	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.13	0.65	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.13	0.65	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.26	0.65	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.13	0.65	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.13	0.65	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.13	0.65	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.13	0.65	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.13	0.65	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.13	0.65	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.26	0.65	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.13	0.65	mg/kg	1
03779	Benzidine	92-87-5	N.D.	2.6	7.9	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.26	0.65	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.13	0.65	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.13	0.65	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.39	1.3	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.95	0.26	1.3	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.26	0.65	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.13	0.65	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.13	0.65	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.13	0.65	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.13	0.65	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.13	0.65	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.13	0.65	mg/kg	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.85
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.85

\*=This limit was used in the evaluation of the final result

AR100500

Lancaster Laboratories Sample No. SW 4579185

05-MET-114V Grab Soil Sample

N(21.75-22.25)

Former Metro Container Investigation

Collected: 08/08/2005 12:45

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:48

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-114V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.022	0.11	mg/kg	0.85
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.85
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.85
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.85
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.85
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.85
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.85
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.85
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.85
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.85
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.85
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.85
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.85
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.85
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.85
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.85
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.85
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.85
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.85
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.85
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.85
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.85
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.85
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.85
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.85
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.85
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.85
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.85
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.85
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.85
07586	Acrolein	107-02-8	N.D.	0.022	0.11	mg/kg	0.85
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.022	mg/kg	0.85

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR100501



Lancaster Laboratories Sample No. SW 4579185

05-MET-114V Grab Soil Sample

N(21.75-22.25)

Former Metro Container Investigation

Collected: 08/08/2005 12:45

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:48

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-114V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/10/2005 08:11	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/11/2005 08:16	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/10/2005 08:19	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/10/2005 08:19	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/10/2005 08:19	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/10/2005 08:19	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/12/2005 01:04	[REDACTED]	5
06951	Chromium	SW-846 6010B	1	08/10/2005 08:19	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/10/2005 08:19	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/11/2005 08:16	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/10/2005 08:19	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/10/2005 08:19	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/10/2005 08:19	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/09/2005 21:14	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/11/2005 09:32	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/16/2005 11:04	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/11/2005 17:25	[REDACTED]	5
04688	PPL Semivolatiles	SW-846 8270C	1	08/10/2005 18:27	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 17:31	[REDACTED]	0.85
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 17:31	[REDACTED]	0.85
00381	BNA Soil Extraction	SW-846 3550B	1	08/09/2005 20:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/09/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/09/2005 22:15	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/10/2005 10:10	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/11/2005 15:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/10/2005 02:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100502

**Lancaster Laboratories Sample No. SW 4579185****05-MET-114V Grab Soil Sample****N(21.75-22.25)****Former Metro Container Investigation**

Collected: 08/08/2005 12:45

by

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:48

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-114V

06171 GC/MS - Field Preserved SW-846 5035

1 08/09/2005 16:29

1

MeOH

08389 GC/MS - LL Encore Prep SW-846 5035

1 08/10/2005 09:53

n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4579185	SDG No.: _____
Sample wt/vol: 5.87 (g/mL) g	Lab File ID: HP09193.i/05aug15a.b/xg15s02.d	
Level: (low/med) LOW	Date Received: 08/08/05	
% Moisture: not dec. 24	Date Analyzed: 08/15/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.88	0.026	J X
2.	Unknown siloxane	13.56	0.006	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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X = Possible carryover from previous sample.

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4579185  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0308.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture: 24 Decanted: (Y/N)                      Date Extracted: 08/09/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/10/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 17 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.611	2.0	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	2.460	36	JAB
3.10544-50-0	!Cyclic octaatomic sulfur	8.498	.68	J
4.	!Unknown Alkane	10.139	.62	J
5.	!Unknown	10.225	.88	J
6.	!Unknown Amide	10.367	1.5	J
7.	!Unknown	10.914	.87	J
8.	!Unknown	10.969	1.0	J
9.	!Unknown	11.012	.97	J
10.	!Unknown	11.240	1.2	J
11.	!Unknown	11.615	.63	J
12.	!Unknown	11.627	1.2	J
13.	!Unknown	11.683	.63	J
14.	!Unknown	11.763	1.2	J
15.	!Unknown	12.045	1.2	J
16.	!Unknown	12.630	.53	J
17.	!Unknown	12.796	.88	J
18.				
19.				
20.				
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30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100505

Lancaster Laboratories Sample No. SW 4579186

05-MET-117 Grab Soil Sample

N(6.5-7)

Former Metro Container Investigation

Collected: 08/08/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-117-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.182 J	0.0053	0.198	mg/kg	1
06925	Thallium	7440-28-0	2.55 J	1.92	4.00	mg/kg	1
06935	Arsenic	7440-38-2	8.23	1.34	4.00	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.92	4.00	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.64	4.00	mg/kg	1
06947	Beryllium	7440-41-7	0.224 J	0.0860	1.00	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.172	1.00	mg/kg	1
06951	Chromium	7440-47-3	148.	1.06	3.00	mg/kg	1
06953	Copper	7440-50-8	97.4	0.600	2.00	mg/kg	1
06955	Lead	7439-92-1	93.0	1.56	4.00	mg/kg	1
06961	Nickel	7440-02-0	30.7	0.660	2.00	mg/kg	1
06966	Silver	7440-22-4	0.900 J	0.380	1.00	mg/kg	1
06972	Zinc	7440-66-6	50.1	0.920	4.00	mg/kg	1
00111	Moisture	n.a.	51.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.36	1.0	mg/kg	1
05912	Phenols	n.a.	7.0 J	2.4	7.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.347	1.69	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.347	1.69	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.347	1.69	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.673	3.47	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	0.673	3.47	mg/kg	1000
01223	Endrin	72-20-8	N.D.	0.673	3.47	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	3.47	16.9	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.347	1.69	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.347	1.69	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.429	1.69	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.347	1.69	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	0.673	3.47	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	0.673	3.47	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	8.16	34.7	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	22.4	67.3	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.347	1.69	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	0.673	3.47	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.673	3.47	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	0.673	3.47	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR100506



**Lancaster Laboratories Sample No. SW 4579186**

**05-MET-117 Grab Soil Sample**

**N(6.5-7)**

**Former Metro Container Investigation**

Collected: 08/08/2005 10:40

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-117-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	15.1	34.7	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	6.73	34.7	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	9.80	34.7	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	6.12	34.7	mg/kg	1000
01997	PCB-1248	12672-29-6	N.D.	22.4	67.3	mg/kg	1000
01998	PCB-1254	11097-69-1	N.D.	6.73	34.7	mg/kg	1000
01999	PCB-1260	11096-82-5	N.D.	22.4	67.3	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

**04688 PPL Semivolatiles**

00176	1,4-Dioxane	123-91-1	N.D.	15.	77.	mg/kg	5
01185	Phenol	108-95-2	N.D.	5.1	26.	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	5.1	26.	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	5.1	26.	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	5.1	26.	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	5.1	26.	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	26.	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	5.1	26.	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	26.	77.	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	10.	26.	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	26.	77.	mg/kg	5
01195	Pyrene	129-00-0	61.	5.1	26.	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	5.1	26.	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	5.1	26.	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	15.	26.	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	5.1	26.	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	5.1	26.	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	100.	310.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	26.	77.	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	10.	26.	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	5.1	26.	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	5.1	26.	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	5.1	26.	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	5.1	26.	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	5.1	26.	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	5.1	26.	mg/kg	5
03759	Isophorone	78-59-1	N.D.	5.1	26.	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR100507

Lancaster Laboratories Sample No. SW 4579186

05-MET-117 Grab Soil Sample

N(6.5-7)

Former Metro Container Investigation

Collected: 08/08/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-117-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	5.1	26.	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	5.1	26.	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	10.	26.	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	26.	77.	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	5.1	26.	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	5.1	26.	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	10.	26.	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	5.1	26.	mg/kg	5
03768	Fluorene	86-73-7	N.D.	5.1	26.	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	5.1	26.	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	10.	26.	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	5.1	26.	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	5.1	26.	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	5.1	26.	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	5.1	26.	mg/kg	5
03775	Phenanthrene	85-01-8	26.	5.1	26.	mg/kg	5
03776	Anthracene	120-12-7	5.4 J	5.1	26.	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	10.	26.	mg/kg	5
03778	Fluoranthene	206-44-0	14. J	5.1	26.	mg/kg	5
03779	Benzidine	92-87-5	N.D.	100.	310.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	10.	26.	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	74.	5.1	26.	mg/kg	5
03782	Chrysene	218-01-9	170.	5.1	26.	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	15.	51.	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	10.	51.	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	10.	26.	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	48.	5.1	26.	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	14. J	5.1	26.	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	74.	5.1	26.	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	25. J	5.1	26.	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	29.	5.1	26.	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	42.	5.1	26.	mg/kg	5

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR100508

Lancaster Laboratories Sample No. SW 4579186

05-MET-117 Grab Soil Sample

N(6.5-7)

Former Metro Container Investigation

Collected: 08/08/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-117-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.003	0.016	mg/kg	1.6
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.002	0.016	mg/kg	1.6
02020	t-Butyl alcohol	75-65-0	0.12 J	0.065	0.33	mg/kg	1.6
05444	Chloromethane	74-87-3	N.D.	0.007	0.016	mg/kg	1.6
05445	Vinyl Chloride	75-01-4	N.D.	0.003	0.016	mg/kg	1.6
05446	Bromomethane	74-83-9	N.D.	0.007	0.016	mg/kg	1.6
05447	Chloroethane	75-00-3	N.D.	0.007	0.016	mg/kg	1.6
05448	Trichlorofluoromethane	75-69-4	N.D.	0.007	0.016	mg/kg	1.6
05449	1,1-Dichloroethene	75-35-4	N.D.	0.003	0.016	mg/kg	1.6
05450	Methylene Chloride	75-09-2	N.D.	0.007	0.016	mg/kg	1.6
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.003	0.016	mg/kg	1.6
05452	1,1-Dichloroethane	75-34-3	N.D.	0.003	0.016	mg/kg	1.6
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.003	0.016	mg/kg	1.6
05455	Chloroform	67-66-3	N.D.	0.003	0.016	mg/kg	1.6
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.003	0.016	mg/kg	1.6
05458	Carbon Tetrachloride	56-23-5	N.D.	0.003	0.016	mg/kg	1.6
05460	Benzene	71-43-2	0.002 J	0.002	0.016	mg/kg	1.6
05461	1,2-Dichloroethane	107-06-2	N.D.	0.003	0.016	mg/kg	1.6
05462	Trichloroethene	79-01-6	N.D.	0.003	0.016	mg/kg	1.6
05463	1,2-Dichloropropane	78-87-5	N.D.	0.003	0.016	mg/kg	1.6
05465	Bromodichloromethane	75-27-4	N.D.	0.003	0.016	mg/kg	1.6
05466	Toluene	108-88-3	0.006 J	0.003	0.016	mg/kg	1.6
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.003	0.016	mg/kg	1.6
05468	Tetrachloroethene	127-18-4	N.D.	0.003	0.016	mg/kg	1.6
05470	Dibromochloromethane	124-48-1	N.D.	0.003	0.016	mg/kg	1.6
05472	Chlorobenzene	108-90-7	N.D.	0.003	0.016	mg/kg	1.6
05474	Ethylbenzene	100-41-4	0.007 J	0.003	0.016	mg/kg	1.6
05478	Bromoform	75-25-2	N.D.	0.003	0.016	mg/kg	1.6
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.003	0.016	mg/kg	1.6
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.003	0.016	mg/kg	1.6
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.003	0.016	mg/kg	1.6
06301	Xylene (Total)	1330-20-7	0.040	0.003	0.016	mg/kg	1.6
07586	Acrolein	107-02-8	N.D.	0.065	0.33	mg/kg	1.6
07587	Acrylonitrile	107-13-1	N.D.	0.013	0.065	mg/kg	1.6

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported

\*=This limit was used in the evaluation of the final result

AR100509

Lancaster Laboratories Sample No. SW 4579186

05-MET-117 Grab Soil Sample  
N(6.5-7)  
Former Metro Container Investigation

Collected: 08/08/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-117-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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in this sample due to the acid preservation of the samples and standards.

The GC/MS volatile internal standard peak areas were outside the QC limits. Because only one sample vial was prepared for this analysis, the analysis could not be repeated.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/10/2005 08:12	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/11/2005 08:35	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/10/2005 08:24	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/10/2005 08:24	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/10/2005 08:24	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/10/2005 08:24	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/10/2005 08:24	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/10/2005 08:24	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/10/2005 08:24	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/10/2005 08:24	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/10/2005 08:24	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/10/2005 08:24	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/10/2005 08:24	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/09/2005 21:14	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/11/2005 09:33	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100510

Lancaster Laboratories Sample No. SW 4579186

05-MET-117 Grab Soil Sample

N(6.5-7)

Former Metro Container Investigation

Collected: 08/08/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-117-

05912	Phenols	SW846 9066	1	08/12/2005 10:10	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/10/2005 22:03	[REDACTED]	1000
04688	PPL Semivolatiles	SW-846 8270C	1	08/10/2005 18:48	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 17:54	[REDACTED]	1.6
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 17:54	[REDACTED]	1.6
00381	BNA Soil Extraction	SW-846 3550B	1	08/09/2005 20:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/09/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/09/2005 22:15	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/10/2005 10:10	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/11/2005 15:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/10/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/09/2005 16:30	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/10/2005 09:54	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4579186  
 Sample wt/vol: 3.12 (g/mL) g Lab File ID: HP09193.i/05aug15a.b/xg15s03.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture: not dec. 51 Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.88	0.12	J
2. 107-83-5	Pentane, 2-methyl-	4.28	0.16	J
3.	Unknown alkane	7.12	0.066	J
4. 108-87-2	Cyclohexane, methyl-	8.46	0.25	J
5.	Unknown alicyclic	9.27	0.14	J
6.	Unknown alkane	9.93	0.13	J
7.	Unknown alicyclic	10.20	0.074	J
8.	Unknown alicyclic	10.62	0.069	J
9.	Unknown alkane	10.95	0.078	J
10.	Unknown alkane	11.06	0.071	J
11.	Unknown alkane	12.46	0.17	J
12.	Unknown alkane	13.32	0.13	J
13.	Unknown alkane	14.05	0.12	J
14.	Unknown alkane	14.14	0.068	J
15.	Unknown alkane	14.69	0.091	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100512

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4579186  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0309.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture: 51 Decanted: (Y/N)                      Date Extracted: 08/09/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/10/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Phenanthrene, 2,3-dimethyl-	8.350	200	XJ
2.10544-50-0	Cyclic octaatomic sulfur	8.510	150	J
3.	Unknown Alkane	8.756	180	J
4.	Unknown Alkane	9.051	200	J
5.	Pyrene, 4-methyl-	9.082	130	JX
6.	Unknown Alkane	9.334	210	J
7.	o-Terphenyl	9.426	130	JX
8.	Unknown Alkane	9.881	160	J
9.	Benz[a]anthracene, 12-methyl-	9.967	340	JX
10.	Chrysene, 3-methyl-	10.004	150	JX
11.	Unknown	10.035	120	J
12.	Chrysene, 5-methyl-	10.078	160	JX
13.	Unknown Alkane	10.146	200	J
14.	Benzo[c]phenanthrene, 5,8-di	10.269	170	JX
15.	Unknown	10.312	150	J
16.	Unknown	10.336	220	J
17.	Unknown Alkane	10.410	500	J
18.	Unknown Alkane	10.662	280	J
19.	Benz[e]acephenanthrylene	10.699	250	JX
20.	Unknown Alkane	10.914	200	J
21.	Unknown	11.007	150	J
22.	Unknown	11.099	140	J
23.	Unknown Alkane	11.166	180	J
24.	Unknown	11.246	130	J
25.	Unknown Alkane	11.449	190	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100513

Lancaster Laboratories Sample No. SW 4579187

05-MET-115 Grab Soil Sample

N(13-13.5)

Former Metro Container Investigation

Collected: 08/08/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-115-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	24.0	0.204	7.66	mg/kg	50
06925	Thallium	7440-28-0	4.60	1.46	3.04	mg/kg	1
06935	Arsenic	7440-38-2	3.08	1.02	3.04	mg/kg	1
06936	Selenium	7782-49-2	3.34	1.46	3.04	mg/kg	1
06944	Antimony	7440-36-0	59.3	1.25	3.04	mg/kg	1
06947	Beryllium	7440-41-7	1.23	0.0655	0.761	mg/kg	1
06949	Cadmium	7440-43-9	376.	0.131	0.761	mg/kg	1
06951	Chromium	7440-47-3	4,530.	0.807	2.28	mg/kg	1
06953	Copper	7440-50-8	1,180.	0.457	1.52	mg/kg	1
06955	Lead	7439-92-1	19,300.	11.9	30.4	mg/kg	10
06961	Nickel	7440-02-0	140.	0.502	1.52	mg/kg	1
06966	Silver	7440-22-4	9.33	0.289	0.761	mg/kg	1
06972	Zinc	7440-66-6	4,090.	0.700	3.04	mg/kg	1
00111	Moisture	n.a.	35.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	1.8	0.28	0.76	mg/kg	1
05912	Phenols	n.a.	78.8	18.6	54.2	mg/kg	10
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.792	3.87	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	2.10	3.87	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.792	3.87	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	1.54	7.92	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	1.54	7.92	mg/kg	1000
01223	Endrin	72-20-8	N.D.	1.93	7.92	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	7.92	38.7	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.792	3.87	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.792	3.87	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.978	3.87	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	1.60	3.87	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	46.3	46.3	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	1.54	7.92	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	18.6	79.2	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	51.2	154.	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.792	3.87	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	1.54	7.92	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	1.54	7.92	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	3.04	7.92	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR100514

**Lancaster Laboratories Sample No. SW 4579187**
**05-MET-115 Grab Soil Sample**
**N(13-13.5)**
**Former Metro Container Investigation**

Collected: 08/08/2005 13:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-115-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	34.5	79.2	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	15.4	79.2	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	22.4	79.2	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	14.0	79.2	mg/kg	1000
01997	PCB-1248	12672-29-6	354.	51.2	154.	mg/kg	1000
01998	PCB-1254	11097-69-1	236.	15.4	79.2	mg/kg	1000
01999	PCB-1260	11096-82-5	206.	51.2	154.	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

**04688 PPL Semivolatiles**

00176	1,4-Dioxane	123-91-1	N.D.	4.7	23.	mg/kg	1
01185	Phenol	108-95-2	33.	1.6	7.8	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	1.6	7.8	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	3.9 J	1.6	7.8	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.6	7.8	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	66.	1.6	7.8	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	3.1	7.8	mg/kg	1
01191	Acenaphthene	83-32-9	5.4 J	1.6	7.8	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	7.8	23.	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	3.1	7.8	mg/kg	1
01194	Pentachlorophenol	87-86-5	23. J	7.8	23.	mg/kg	1
01195	Pyrene	129-00-0	36.	1.6	7.8	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	100.	1.6	7.8	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	1.6	7.8	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	8.8	4.7	7.8	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.6	7.8	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.6	7.8	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	31.	93.	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	7.8	23.	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	3.1	7.8	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.6	7.8	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.6	7.8	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	34.	1.6	7.8	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.6	7.8	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	1.6	7.8	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	1.6	7.8	mg/kg	1
03759	Isophorone	78-59-1	N.D.	1.6	7.8	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100515

**Lancaster Laboratories Sample No. SW 4579187**
**05-MET-115 Grab Soil Sample**
**N(13-13.5)**
**Former Metro Container Investigation**

Collected: 08/08/2005 13:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-115-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.6	7.8	mg/kg	1
03761	Naphthalene	91-20-3	130.	1.6	7.8	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	3.1	7.8	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	7.8	23.	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	1.6	7.8	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	1.6	7.8	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	3.1	7.8	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.6	7.8	mg/kg	1
03768	Fluorene	86-73-7	13.	1.6	7.8	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.6	7.8	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	3.1	7.8	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.6	7.8	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	23.	1.6	7.8	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.6	7.8	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	1.6	7.8	mg/kg	1
03775	Phenanthrene	85-01-8	53.	1.6	7.8	mg/kg	1
03776	Anthracene	120-12-7	14.	1.6	7.8	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	3.1	7.8	mg/kg	1
03778	Fluoranthene	206-44-0	17.	1.6	7.8	mg/kg	1
03779	Benzidine	92-87-5	N.D.	31.	93.	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	3.1	7.8	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	8.7	1.6	7.8	mg/kg	1
03782	Chrysene	218-01-9	17.	1.6	7.8	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.7	16.	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	46.	3.1	16.	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	3.1	7.8	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	4.5 J	1.6	7.8	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	1.8 J	1.6	7.8	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	5.4 J	1.6	7.8	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.6	7.8	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	1.6	7.8	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	3.2 J	1.6	7.8	mg/kg	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

\*=This limit was used in the evaluation of the final result

AR100516



**Lancaster Laboratories Sample No. SW 4579187**
**05-MET-115 Grab Soil Sample**
**N(13-13.5)**
**Former Metro Container Investigation**

Collected: 08/08/2005 13:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-115-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	7.5	38.	mg/kg	4835.59
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3.8	38.	mg/kg	4835.59
02020	t-Butyl alcohol	75-65-0	N.D.	150.	750.	mg/kg	4835.59
05444	Chloromethane	74-87-3	N.D.	15.	38.	mg/kg	4835.59
05445	Vinyl Chloride	75-01-4	N.D.	7.5	38.	mg/kg	4835.59
05446	Bromomethane	74-83-9	N.D.	15.	38.	mg/kg	4835.59
05447	Chloroethane	75-00-3	N.D.	15.	38.	mg/kg	4835.59
05448	Trichlorofluoromethane	75-69-4	N.D.	15.	38.	mg/kg	4835.59
05449	1,1-Dichloroethene	75-35-4	N.D.	7.5	38.	mg/kg	4835.59
05450	Methylene Chloride	75-09-2	N.D.	15.	38.	mg/kg	4835.59
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	7.5	38.	mg/kg	4835.59
05452	1,1-Dichloroethane	75-34-3	N.D.	7.5	38.	mg/kg	4835.59
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	7.5	38.	mg/kg	4835.59
05455	Chloroform	67-66-3	N.D.	7.5	38.	mg/kg	4835.59
05457	1,1,1-Trichloroethane	71-55-6	N.D.	7.5	38.	mg/kg	4835.59
05458	Carbon Tetrachloride	56-23-5	N.D.	7.5	38.	mg/kg	4835.59
05460	Benzene	71-43-2	3.9 J	3.8	38.	mg/kg	4835.59
05461	1,2-Dichloroethane	107-06-2	N.D.	7.5	38.	mg/kg	4835.59
05462	Trichloroethene	79-01-6	33. J	7.5	38.	mg/kg	4835.59
05463	1,2-Dichloropropane	78-87-5	N.D.	7.5	38.	mg/kg	4835.59
05465	Bromodichloromethane	75-27-4	N.D.	7.5	38.	mg/kg	4835.59
05466	Toluene	108-88-3	180.	7.5	38.	mg/kg	4835.59
05467	1,1,2-Trichloroethane	79-00-5	N.D.	7.5	38.	mg/kg	4835.59
05468	Tetrachloroethene	127-18-4	26. J	7.5	38.	mg/kg	4835.59
05470	Dibromochloromethane	124-48-1	N.D.	7.5	38.	mg/kg	4835.59
05472	Chlorobenzene	108-90-7	N.D.	7.5	38.	mg/kg	4835.59
05474	Ethylbenzene	100-41-4	50.	7.5	38.	mg/kg	4835.59
05478	Bromoform	75-25-2	N.D.	7.5	38.	mg/kg	4835.59
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	7.5	38.	mg/kg	4835.59
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	7.5	38.	mg/kg	4835.59
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	7.5	38.	mg/kg	4835.59
06301	Xylene (Total)	1330-20-7	230.	7.5	38.	mg/kg	4835.59
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	15.	75.	mg/kg	4835.59
07586	Acrolein	107-02-8	N.D.	150.	750.	mg/kg	4835.59
07587	Acrylonitrile	107-13-1	N.D.	30.	150.	mg/kg	4835.59

The GC/MS volatile analysis was performed according to the high level

\*=This limit was used in the evaluation of the final result

AR100517

Lancaster Laboratories Sample No. SW 4579187

05-MET-115 Grab Soil Sample

N(13-13.5)

Former Metro Container Investigation

Collected: 08/08/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-115-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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soil method due to the level of target compounds. Therefore, the reporting limits were raised.

The percent recoveries for bromochloromethane were outside QC limits high in the LCS/LCSD associated with this sample. Since the recoveries were high and this compound was not detected in the sample, no further action was taken.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/10/2005 08:33	[REDACTED]	50
06925	Thallium	SW-846 6010B	1	08/11/2005 08:40	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/10/2005 08:29	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/10/2005 08:29	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/10/2005 08:29	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/10/2005 08:29	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/10/2005 08:29	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/10/2005 08:29	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/10/2005 08:29	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/11/2005 08:45	[REDACTED]	10
06961	Nickel	SW-846 6010B	1	08/10/2005 08:29	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100518

**Lancaster Laboratories Sample No. SW 4579187**

**05-MET-115 Grab Soil Sample**

**N(13-13.5)**

**Former Metro Container Investigation**

Collected: 08/08/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:49

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-115-

06966	Silver	SW-846 6010B	1	08/10/2005 08:29	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/11/2005 08:40	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/09/2005 21:14	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/11/2005 09:34	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/12/2005 09:09	[REDACTED]	10
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/10/2005 22:24	[REDACTED]	1000
04688	PPL Semivolatiles	SW-846 8270C	1	08/10/2005 19:09	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/12/2005 06:57	[REDACTED]	4835.5
07584	PPL Volatiles	SW-846 8260B	1	08/12/2005 06:57	[REDACTED]	9
00381	BNA Soil Extraction	SW-846 3550B	1	08/09/2005 20:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/09/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/09/2005 22:15	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/10/2005 10:10	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/11/2005 15:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/10/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/09/2005 16:32	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/10/2005 09:55	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4579187  
 Sample wt/vol: 5.17 (g/mL) g      Lab File ID: HP07536.i/05aug11b.b/qg11s46.d  
 Level: (low/med) MED      Date Received: 08/08/05  
 % Moisture: not dec. 36      Date Analyzed: 08/12/05  
 Column: (pack/cap) CAP      Dilution Factor: 4835.  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100520

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4579187  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0310.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture: 36 Decanted: (Y/N)                      Date Extracted: 08/09/05  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/10/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.478	42	J
2.	!Unknown Alkane	3.161	86	J
3.	!Unknown	3.204	42	J
4.	!Unknown	3.315	51	J
5.	!Benzene, 1-ethyl-2-methyl-	3.376	230	JX
6.	!Benzene, 1,3,5-trimethyl-	3.437	97	JX
7.	!Cyclohexane, 1-methyl-2-prop	3.548	89	JX
8.	!Benzene, 1,2,3-trimethyl-	3.616	550	JX
9.	!Benzene, (1-methylpropyl)-	3.726	48	JX
10.104-76-7	!1-Hexanol, 2-ethyl-	3.837	460	J
11.	!Benzene, 1,3-diethyl-	3.972	320	JX
12.	!Unknown Alkane	4.065	210	J
13.	!Benzene, 1-ethyl-2,4-dimethy	4.157	210	JX
14.	!Unknown Alkane	4.292	440	J
15.	!Unknown Alkane	5.368	41	J
16.	!Unknown Alkane	5.835	80	J
17.101-84-8	!Diphenyl ether	5.897	47	J
18.	!Unknown Alkane	6.100	44	J
19.	!Unknown Alkane	7.077	84	J
20.	!Unknown Alkane	8.135	58	J
21.	!Unknown	8.590	120	J
22.	!Unknown Alkane	9.094	48	J
23.	!Unknown Alkane	9.346	58	J
24.	!Unknown Alkane	9.445	80	J
25.	!Unknown	9.820	56	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100521



Lancaster Laboratories Sample No. WW 4579188

EB-080805S Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/08/2005 15:50

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:50

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB88S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0095	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.011	0.038	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0095	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0036	0.0095	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0095	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0047	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0095	ug/l	1
01607	p,p-DDE	72-55-9	0.0080 J	0.0038	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0057	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0057	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0095	0.028	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0038	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.066	0.47	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.28	0.95	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0038	0.019	ug/l	1
01616	Endosulfan I	959-98-8	0.0057 J	0.0019	0.0095	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0057	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.095	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.095	0.47	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.10	0.47	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.095	0.47	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.095	0.47	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100522

**Lancaster Laboratories Sample No. WW 4579188**
**EB-080805S Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/08/2005 15:50

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:50

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB88S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.095	0.47	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.47	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.095	0.47	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.028	0.095	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100523

**Lancaster Laboratories Sample No. WW 4579188**
**EB-080805S Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/08/2005 15:50

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:50

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB88S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1

The recoveries of n-nitrosodiphenylamine, di-n-octylphthalate, and benzo(b)fluoranthene were above QC limits in the LCS and/or LCSD associated with this sample. Since n-nitrosodiphenylamine, di-n-octylphthalate, and benzo(b)fluoranthene were not detected in the sample, no further action was taken.

06371 Add'l Volatile Compounds

05662	1,2-Dibromoethane	106-93-4	N.D.	1.	5.	ug/l	1
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07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
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\*=This limit was used in the evaluation of the final result

AR100524

Lancaster Laboratories Sample No. WW 4579188

EB-080805S Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/08/2005 15:50

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:50

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB88S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Lancaster Laboratories Sample No. WW 4579188

EB-080805S Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/08/2005 15:50

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Montgomery Watson Harza

Reported: 08/22/2005 at 14:50

P.O. Box 7009

Discard: 09/22/2005

Pasadena CA 91109-7009

EB88S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.							

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/11/2005 13:43	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/10/2005 11:32	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/16/2005 11:05	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 17:15	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/10/2005 18:17	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/10/2005 05:05	[REDACTED]	1
06371	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 13:50	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 13:50	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/09/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/09/2005 23:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 13:50	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/09/2005 19:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/10/2005 20:20	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/12/2005 14:55	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100526





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8

Lancaster Laboratories Sample No. WW 4579188

EB-080805S Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/08/2005 15:50

by

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:50

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB88S

08256 Cyanide Water Distillation SW-846 9012A

1 08/12/2005 10:00

1

\*=This limit was used in the evaluation of the final result

AR100527

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! EB88S !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4579188	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP07159.i/05aug15a.b/ng15s15.d	
% Moisture: not dec.	Date Received: 08/08/05	
Column: (pack/cap) CAP	Date Analyzed: 08/15/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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9.				
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11.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100528

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4579188  
 Sample wt/vol: 1051 (g/mL) mL Lab File ID: oh0279.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture:              Decanted: (Y/N)              Date Extracted: 08/09/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/10/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100529

**Lancaster Laboratories Sample No. WW 4579189**
**EB-080805W Grab Water Sample**
**FB**
**Former Metro Container Investigation**

Collected: 08/08/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:51

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EBW88

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	12. J	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0096	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.011	0.038	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0096	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0036	0.0096	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0096	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0096	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0038	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0057	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0057	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0096	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0038	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.067	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.96	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0038	0.019	ug/l	1
01616	Endosulfan I	959-98-8	0.0025 J	0.0019	0.0096	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0057	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.096	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.096	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.096	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.096	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100530

Lancaster Laboratories Sample No. WW 4579189

EB-080805W Grab Water Sample

FB

Former Metro Container Investigation

Collected: 08/08/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:51

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EBW88

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.096	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.096	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.096	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	0.9	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	0.9	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	0.9	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	0.9	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	0.9	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	9.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	0.9	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	0.9	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	0.9	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	9.	28.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.9	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	0.9	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	0.9	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	0.9	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.9	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	0.9	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.9	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	0.9	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	0.9	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.9	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.9	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	0.9	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	0.9	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	0.9	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	0.9	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100531



**Lancaster Laboratories Sample No. WW 4579189**
**EB-080805W Grab Water Sample**
**FB**
**Former Metro Container Investigation**

Collected: 08/08/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:51

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EBW88

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	0.9	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	0.9	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	0.9	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	0.9	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.9	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	0.9	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	0.9	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	0.9	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	0.9	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	0.9	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	0.9	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	0.9	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	0.9	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	0.9	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	0.9	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	0.9	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	0.9	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.9	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	0.9	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	0.9	5.	ug/l	1
The recoveries of n-nitrosodiphenylamine, di-n-octylphthalate, and benzo(b)fluoranthene were above QC limits in the LCS and/or LCSD associated with this sample. Since n-nitrosodiphenylamine, di-n-octylphthalate, and benzo(b)fluoranthene were not detected in the sample, no further action was taken.							
06371	Add'l Volatile Compounds						
05662	1,2-Dibromoethane	106-93-4	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100532

**Lancaster Laboratories Sample No. WW 4579189**
**EB-080805W Grab Water Sample**
**FB**
**Former Metro Container Investigation**

Collected: 08/08/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:51

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EBW88

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

\*=This limit was used in the evaluation of the final result

AR100533

Lancaster Laboratories Sample No. WW 4579189

EB-080805W Grab Water Sample

FB

Former Metro Container Investigation

Collected: 08/08/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Montgomery Watson Harza

Reported: 08/22/2005 at 14:51

P.O. Box 7009

Discard: 09/22/2005

Pasadena CA 91109-7009

EBW88

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/11/2005 13:44	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/10/2005 08:51	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/16/2005 11:07	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 17:16	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/10/2005 18:37	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/11/2005 22:43	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/10/2005 05:26	[REDACTED]	1
06371	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 14:13	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 14:13	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/09/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/09/2005 23:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100534

**Lancaster Laboratories Sample No. WW 4579189****EB-080805W Grab Water Sample****FB****Former Metro Container Investigation**

Collected: 08/08/2005 09:45

by ■

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:51

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EBW88

01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 14:13	■■■■■■■■■■	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/09/2005 19:00	■■■■■■■■■■	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/10/2005 20:20	■■■■■■■■■■	1
07786	EDB Extraction	SW-846 8011	1	08/11/2005 11:45	■■■■■■■■■■	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/12/2005 14:55	■■■■■■■■■■	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	■■■■■■■■■■	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4579189	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug15a.b/ng15s16.d	
Level: (low/med) LOW	Date Received: 08/08/05	
% Moisture: not dec.	Date Analyzed: 08/15/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100536



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4579189  
 Sample wt/vol: 1054 (g/mL) mL Lab File ID: oh0280.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/09/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/10/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100537



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4579190

EB-080805W Filtered Grab Water Sample  
FB  
Former Metro Container Investigation

Collected: 08/08/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:52

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FEB88

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/11/2005 13:45	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/10/2005 11:39	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/09/2005 19:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/10/2005 20:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100538

Lancaster Laboratories Sample No. WW 4579191

TB-080805W Trip Blank Water Sample  
TB  
Former Metro Container Investigation

Collected: 08/08/2005

Account Number: 11549

Submitted: 08/08/2005 18:30  
Reported: 08/22/2005 at 14:52  
Discard: 09/22/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TBW88

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100539

Lancaster Laboratories Sample No. WW 4579191

TB-080805W Trip Blank Water Sample  
TB  
Former Metro Container Investigation

Collected: 08/08/2005

Account Number: 11549

Submitted: 08/08/2005 18:30  
Reported: 08/22/2005 at 14:52  
Discard: 09/22/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TBW88

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/11/2005 23:13		1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 22:02		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 22:02		n.a.
07786	EDB Extraction	SW-846 8011	1	08/11/2005 11:45		1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4579191	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug15b.b/ng15s54.d	
Level: (low/med) LOW	Date Received: 08/08/05	
% Moisture: not dec.	Date Analyzed: 08/15/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100541



Lancaster Laboratories Sample No. WW 4579192

05-MET-122 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/08/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:52

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5W122

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	1. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	0.8 J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

\*=This limit was used in the evaluation of the final result

AR100542

**Lancaster Laboratories Sample No. WW 4579192**

**05-MET-122 Grab Water Sample**

**N(0-15)**

**Former Metro Container Investigation**

Collected: 08/08/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:52

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5W122

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 22:25	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 22:25	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4579192  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug15b.b/ng15s55.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture: not dec. Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 7

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.03	16	J
2. 67-64-1	Acetone	3.83	12	J
3. 75-15-0	Carbon disulfide	4.01	42	J
4. 108-10-1	Methyl Isobutyl Ketone	9.68	31	J
5.	Unknown alcohol	10.12	10	J
6.	Unknown alcohol	13.22	7	J
7.	Unknown	13.57	6	J
8.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100544

**Lancaster Laboratories Sample No. WW 4579193**

**05-MET-114 Grab Water Sample**

**N(0-20)**

**Former Metro Container Investigation**

Collected: 08/08/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:52

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5W114

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	130.	6.2	20.0	ug/l	100
07022	Thallium	7440-28-0	178.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	390.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	1,410.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	118.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	7,730.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	121,000.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	28,800.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	512,000.	42.0	100.	ug/l	5
07061	Nickel	7440-02-0	4,570.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	225.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	232,000.	53.0	200.	ug/l	10
02393	Phenols	n.a.	3,100.	180.	600.	ug/l	20
08255	Total Cyanide	57-12-5	310.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	2.0	10.	ug/l	100
01601	Beta BHC	319-85-7	N.D.	12.	40.	ug/l	100
01602	Gamma BHC - Lindane	58-89-9	N.D.	2.0	10.	ug/l	100
01603	Delta BHC	319-86-8	N.D.	3.8	10.	ug/l	100
01604	Heptachlor	76-44-8	N.D.	6.7	10.	ug/l	100
01605	Aldrin	309-00-2	N.D.	5.0	20.	ug/l	100
01606	Heptachlor Epoxide	1024-57-3	N.D.	4.5	10.	ug/l	100
01607	p,p-DDE	72-55-9	N.D.	19.	20.	ug/l	100
01608	p,p-DDD	72-54-8	N.D.	6.0	20.	ug/l	100
01609	p,p-DDT	50-29-3	N.D.	6.0	20.	ug/l	100
01610	Dieldrin	60-57-1	N.D.	10.	30.	ug/l	100
01611	Endrin	72-20-8	N.D.	33.	33.	ug/l	100
01612	Chlordane	57-74-9	N.D.	70.	500.	ug/l	100
01613	Toxaphene	8001-35-2	N.D.	300.	1,000.	ug/l	100
01615	Endosulfan II	33213-65-9	N.D.	6.7	20.	ug/l	100
01616	Endosulfan I	959-98-8	N.D.	2.0	10.	ug/l	100
01617	Endosulfan Sulfate	1031-07-8	N.D.	6.0	20.	ug/l	100
01618	Endrin Aldehyde	7421-93-4	N.D.	94.	100.	ug/l	100
01619	PCB-1016	12674-11-2	N.D.	100.	500.	ug/l	100
01620	PCB-1221	11104-28-2	N.D.	110.	500.	ug/l	100
01621	PCB-1232	11141-16-5	N.D.	100.	500.	ug/l	100
01622	PCB-1242	53469-21-9	N.D.	100.	500.	ug/l	100

\*=This limit was used in the evaluation of the final result

AR100545

**Lancaster Laboratories Sample No. WW 4579193**
**05-MET-114 Grab Water Sample**
**N(0-20)**
**Former Metro Container Investigation**

Collected: 08/08/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:52

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5W114

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	1,100.	100.	500.	ug/l	100
01624	PCB-1254	11097-69-1	1,700.	140.	500.	ug/l	100
01626	PCB-1260	11096-82-5	6,400.	100.	500.	ug/l	100
01860	Methoxychlor	72-43-5	N.D.	30.	100.	ug/l	100
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.							
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable heptachlor, heptachlor epoxide, 4,4'-DDE, endrin, endosulfan II, and endrin aldehyde.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0099	0.030	ug/l	1
The surrogate is outside the QC limits. Since the recovery is high and there are no analytes of interest, this data is reported.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	50.	250.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	2,800.	50.	250.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	50.	250.	ug/l	1
03925	Phenol	108-95-2	2,100.	50.	250.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	50.	250.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	3,000.	150.	500.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	50.	250.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	50.	250.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	50.	250.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	1,000.	3,000.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	500.	1,500.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	250.	750.	ug/l	1
03934	Pentachlorophenol	87-86-5	380.	J 150.	750.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	100.	250.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	50.	250.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	170.	J 50.	250.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	610.	50.	250.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	2,300.	50.	250.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	50.	250.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	50.	250.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	50.	250.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	50.	250.	ug/l	1
03944	Isophorone	78-59-1	N.D.	50.	250.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100546



**Lancaster Laboratories Sample No. WW 4579193**
**05-MET-114 Grab Water Sample**
**N(0-20)**
**Former Metro Container Investigation**

Collected: 08/08/2005 13:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:52

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5W114

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	50.	250.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	2,700.	50.	250.	ug/l	1
03947	Naphthalene	91-20-3	4,900.	50.	250.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	50.	250.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	250.	750.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	50.	250.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	50.	250.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	100.	250.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	50.	250.	ug/l	1
03954	Acenaphthene	83-32-9	200. J	50.	250.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	50.	250.	ug/l	1
03956	Fluorene	86-73-7	480.	50.	250.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	50.	250.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	100.	250.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	50.	250.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	2,500.	100.	250.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	50.	250.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	50.	250.	ug/l	1
03963	Phenanthrene	85-01-8	2,700.	50.	250.	ug/l	1
03964	Anthracene	120-12-7	720.	50.	250.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	280.	100.	250.	ug/l	1
03966	Fluoranthene	206-44-0	1,200.	50.	250.	ug/l	1
03967	Pyrene	129-00-0	2,100.	50.	250.	ug/l	1
03968	Benzidine	92-87-5	N.D.	1,000.	3,000.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	100.	250.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	770.	50.	250.	ug/l	1
03971	Chrysene	218-01-9	1,300.	50.	250.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	100.	250.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	3,400.	100.	250.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	100.	250.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	340.	50.	250.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	130. J	50.	250.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	400.	50.	250.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	120. J	50.	250.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	50.	250.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	220. J	50.	250.	ug/l	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

\*=This limit was used in the evaluation of the final result

AR100547

**Lancaster Laboratories Sample No. WW 4579193**
**05-MET-114 Grab Water Sample**
**N(0-20)**
**Former Metro Container Investigation**

Collected: 08/08/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Montgomery Watson Harza

Reported: 08/22/2005 at 14:52

P.O. Box 7009

Discard: 09/22/2005

Pasadena CA 91109-7009

5W114

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3.	25.	ug/l	5
02015	t-Butyl alcohol	75-65-0	N.D.	50.	400.	ug/l	5
05385	Chloromethane	74-87-3	N.D.	5.	25.	ug/l	5
05386	Vinyl Chloride	75-01-4	67.	5.	25.	ug/l	5
05387	Bromomethane	74-83-9	N.D.	5.	25.	ug/l	5
05388	Chloroethane	75-00-3	52.	5.	25.	ug/l	5
05389	Trichlorofluoromethane	75-69-4	N.D.	10.	25.	ug/l	5
05390	1,1-Dichloroethene	75-35-4	N.D.	4.	25.	ug/l	5
05391	Methylene Chloride	75-09-2	20. J	10.	25.	ug/l	5
05392	trans-1,2-Dichloroethene	156-60-5	7. J	4.	25.	ug/l	5
05393	1,1-Dichloroethane	75-34-3	77.	5.	25.	ug/l	5
05395	cis-1,2-Dichloroethene	156-59-2	29.	4.	25.	ug/l	5
05396	Chloroform	67-66-3	N.D.	4.	25.	ug/l	5
05398	1,1,1-Trichloroethane	71-55-6	N.D.	4.	25.	ug/l	5
05399	Carbon Tetrachloride	56-23-5	N.D.	5.	25.	ug/l	5
05401	Benzene	71-43-2	110.	3.	25.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	N.D.	5.	25.	ug/l	5
05403	Trichloroethene	79-01-6	280.	5.	25.	ug/l	5
05404	1,2-Dichloropropane	78-87-5	N.D.	5.	25.	ug/l	5
05406	Bromodichloromethane	75-27-4	N.D.	5.	25.	ug/l	5
05407	Toluene	108-88-3	1,900.	18.	130.	ug/l	25
05408	1,1,2-Trichloroethane	79-00-5	N.D.	4.	25.	ug/l	5
05409	Tetrachloroethene	127-18-4	130.	4.	25.	ug/l	5
05411	Dibromochloromethane	124-48-1	N.D.	5.	25.	ug/l	5
05413	Chlorobenzene	108-90-7	68.	4.	25.	ug/l	5
05415	Ethylbenzene	100-41-4	340.	4.	25.	ug/l	5
05419	Bromoform	75-25-2	N.D.	5.	25.	ug/l	5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.	25.	ug/l	5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.	25.	ug/l	5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.	25.	ug/l	5
06310	Xylene (Total)	1330-20-7	1,400.	4.	25.	ug/l	5
06875	Acrylonitrile	107-13-1	N.D.	20.	100.	ug/l	5
06888	Acrolein	107-02-8	N.D.	200.	500.	ug/l	5
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	10.	50.	ug/l	5

The reporting limits for the GC/MS volatile compounds were raised

\*=This limit was used in the evaluation of the final result

AR100548

Lancaster Laboratories Sample No. WW 4579193

05-MET-114 Grab Water Sample

N(0-20)

Former Metro Container Investigation

Collected: 08/08/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Montgomery Watson Harza

Reported: 08/22/2005 at 14:52

P.O. Box 7009

Discard: 09/22/2005

Pasadena CA 91109-7009

5W114

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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because sample dilution was necessary to bring target compounds into the calibration range of the system.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/11/2005 15:53	[REDACTED]	100
07022	Thallium	SW-846 6010B	1	08/10/2005 11:45	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/10/2005 11:45	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/10/2005 11:45	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/10/2005 11:45	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/10/2005 11:45	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/10/2005 11:45	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/10/2005 11:45	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/10/2005 11:45	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/10/2005 20:43	[REDACTED]	5
07061	Nickel	SW-846 6010B	1	08/10/2005 11:45	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/10/2005 11:45	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 13:38	[REDACTED]	10
02393	Phenols	SW846 9066	1	08/16/2005 11:06	[REDACTED]	20
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 17:18	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/10/2005 18:58	[REDACTED]	100
07879	EDB	SW-846 8011	1	08/11/2005 23:43	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 16:58	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100549

Lancaster Laboratories Sample No. WW 4579193

05-MET-114 Grab Water Sample

N(0-20)

Former Metro Container Investigation

Collected: 08/08/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/08/2005 18:30

Reported: 08/22/2005 at 14:52

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

5W114

07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 22:48	[REDACTED]	5
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 14:20	[REDACTED]	25
00813	BNA Water Extraction	SW-846 3510C	2	08/11/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/09/2005 23:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 22:48	[REDACTED]	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	08/16/2005 14:20	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/09/2005 19:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/10/2005 20:20	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/11/2005 11:45	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/12/2005 14:55	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4579193  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug15b.b/ng15s56.d  
 Level: (low/med) LOW      Date Received: 08/08/05  
 % Moisture: not dec.      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 5.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108-10-1	Methyl Isobutyl Ketone	9.68	57	J
2.	Unknown aromatic	12.50	100	J
3.	Unknown ketone	12.64	94	J
4.	Unknown aromatic	12.72	62	J
5.	Unknown aromatic	12.85	150	J
6.	Unknown ketone	12.88	64	J
7.	Unknown alcohol	12.93	200	J
8.	Unknown aromatic	13.16	86	J
9.	Unknown alcohol	13.22	1700	J
10.	Unknown	13.28	130	J
11.	Unknown aromatic	13.31	75	J
12.	Unknown aromatic	13.34	52	J
13.	Unknown	13.54	110	J
14.	Unknown aromatic	14.24	56	J
15. 91-20-3	Naphthalene	14.67	81	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100551



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4579193  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0417.d  
 Level: (low/med) LOW Date Received: 08/08/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/11/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/12/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Cycloalkane	3.018	2500	J
2.	!Benzene, 1-ethyl-2-methyl-	3.233	6500	JX
3.	!Benzene, 1,2,4-trimethyl-	3.479	7000	JX
4.	!Unknown Alkane	3.510	8600	J
5.	!Unknown Alkane	3.657	4800	J
6.	!Benzene, 1,3-dichloro-	3.749	6300	JX
7.	!Phenol, 2-methyl-	3.854	2700	JX
8.	!Unknown	3.860	4700	J
9.	!Benzene, 1,4-diethyl-	3.897	4600	JX
10.	!Unknown Alkane	3.934	3000	J
11.	!Benzene, 1-ethyl-2,4-dimethyl-	4.075	5000	JX
12.	!Unknown Alkane	4.155	9200	J
13.	!Unknown Alkane	4.247	3000	JX
14.	!Unknown Alkane	4.727	2500	J
15.	!Unknown	6.406	2600	J
16.	!Unknown Alkane	6.953	4200	J
17.	!Unknown	7.814	2300	J
18.	!Unknown Carboxylic Acid	7.943	11000	J
19.	!Unknown Carboxylic Acid	8.576	3800	J
20.	!Unknown Alkane	9.695	1800	J
21.	!Unknown Alkane	10.113	3500	J
22.	!Unknown Alkane	10.371	2600	J
23.	!Unknown Alkane	10.710	2600	J
24.	!Unknown Alkane	10.968	2700	J
25.	!Unknown Alkane	11.872	2600	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100552

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052210008A	Sample number(s): 4579188-4579189, 4579193								
Alpha BHC	N.D.	0.0020	0.010	ug/l	110	110	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	110	110	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	100	110	65-144	10	20
Delta BHC	N.D.	0.0038	0.010	ug/l	98	100	41-155	2	20
Heptachlor	N.D.	0.0020	0.010	ug/l	96	98	45-130	2	20
Aldrin	N.D.	0.0050	0.020	ug/l	93	94	47-122	1	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	100	110	73-141	10	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	95	95	44-154	0	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	105	110	42-155	4	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	80	80	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	105	105	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	90	75	62-135	18	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	105	61-141	5	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	110	110	66-131	0	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	95	95	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	100	105	36-158	5	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	91	92	49-155	1	20
Batch number: 052210013A	Sample number(s): 4579182-4579187								
Gamma BHC - Lindane	N.D.	0.170	0.830	ug/kg	106		74-133		
Heptachlor	N.D.	0.170	0.830	ug/kg	109		72-143		
Aldrin	N.D.	0.170	0.830	ug/kg	108		74-137		
p,p-DDT	N.D.	0.330	1.70	ug/kg	93		67-152		
Dieldrin	N.D.	0.330	1.70	ug/kg	110		71-133		
Endrin	N.D.	0.330	1.70	ug/kg	103		68-133		
Methoxychlor	N.D.	1.70	8.30	ug/kg	100		56-168		
Alpha BHC	N.D.	0.170	0.830	ug/kg	111		70-134		
Beta BHC	N.D.	0.170	0.830	ug/kg	106		68-137		
Delta BHC	N.D.	0.210	0.830	ug/kg	157		53-167		
Heptachlor Epoxide	N.D.	0.170	0.830	ug/kg	107		72-132		
p,p-DDE	N.D.	0.330	1.70	ug/kg	105		71-143		
p,p-DDD	N.D.	0.330	1.70	ug/kg	110		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.0	33.0	ug/kg					

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Endosulfan I	N.D.	0.170	0.830	ug/kg	112		71-130		
Endosulfan II	N.D.	0.330	1.70	ug/kg	109		73-134		
Endosulfan Sulfate	N.D.	0.330	1.70	ug/kg	102		58-133		
Endrin Aldehyde	N.D.	0.330	1.70	ug/kg	103		47-145		
PCB-1016	N.D.	7.40	17.0	ug/kg					
PCB-1221	N.D.	3.30	17.0	ug/kg					
PCB-1232	N.D.	4.80	17.0	ug/kg					
PCB-1242	N.D.	3.00	17.0	ug/kg					
PCB-1248	N.D.	11.0	33.0	ug/kg					
PCB-1254	N.D.	3.30	17.0	ug/kg					
PCB-1260	N.D.	11.0	33.0	ug/kg					
Batch number: 052211848004	Sample number(s): 4579188-4579190,4579193								
Thallium	N.D.	0.0100	0.0200	mg/l	101		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	105		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	99		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	102		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	104		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	103		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	102		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	102		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	101		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	102		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	103		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	102		90-112		
Batch number: 052215708004	Sample number(s): 4579182-4579187								
Thallium	N.D.	0.960	2.00	mg/kg	106		76-125		
Arsenic	0.939 J	0.670	2.00	mg/kg	96		80-120		
Selenium	N.D.	0.960	2.00	mg/kg	102		74-126		
Antimony	N.D.	0.820	2.00	mg/kg	51		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	102		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	97		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	99		78-121		
Copper	N.D.	0.300	1.00	mg/kg	99		80-120		
Lead	N.D.	0.780	2.00	mg/kg	98		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	99		78-122		
Silver	N.D.	0.190	0.500	mg/kg	110		49-150		
Zinc	N.D.	0.460	2.00	mg/kg	95		46-154		
Batch number: 052215711001	Sample number(s): 4579182-4579187								
Mercury	N.D.	0.0027	0.100	mg/kg	96		66-133		
Batch number: 05221820005A	Sample number(s): 4579182-4579187								
Moisture					100		99-101		
Batch number: 05221SLD026	Sample number(s): 4579182-4579187								
1,4-Dioxane	N.D.	100.	500.	ug/kg	47		14-81		
Phenol	N.D.	33.	170.	ug/kg	81		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	89		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	90		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	80		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	90		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	83		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	92		74-110		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4-Nitrophenol	N.D.	170.	500.	ug/kg	65		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	76		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	82		47-110		
Pyrene	N.D.	33.	170.	ug/kg	99		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	90		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	96		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	87		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	89		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	93		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	68		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	78		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	77		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	86		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	87		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	85		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	108		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	93		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	84		68-105		
Isophorone	N.D.	33.	170.	ug/kg	81		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	96		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	88		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	93		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	142		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	72		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	108		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	88		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	88		75-108		
Fluorene	N.D.	33.	170.	ug/kg	87		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	88		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	91		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	96		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	98		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	99		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	93		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	92		70-107		
Anthracene	N.D.	33.	170.	ug/kg	93		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	97		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	83		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	52		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	86		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	93		73-111		
Chrysene	N.D.	33.	170.	ug/kg	87		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	52		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	90		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	110		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	103		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	100		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	109		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	108		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	117		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	111		66-120		
Batch number: 05221WAF026 Sample number(s): 4579188-4579189									
1,4-Dioxane	N.D.	1.	5.	ug/l	62	63	43-73	1	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	99	98	65-107	1	30

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Chlorophenol	N.D.	1.	5.	ug/l	89	90	63-112	1	30
Phenol	N.D.	1.	5.	ug/l	42	43	29-57	3	30
2-Nitrophenol	N.D.	1.	5.	ug/l	107	107	83-119	1	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	85	86	60-107	1	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	94	94	66-110	0	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	88	91	48-114	3	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	96	106	69-111	10	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	45	85	44-130	62*	30
4-Nitrophenol	N.D.	10.	30.	ug/l	28	30	16-75	6	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	85	98	56-130	14	30
Pentachlorophenol	N.D.	3.	15.	ug/l	95	99	48-108	4	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	61	62	39-84	2	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	90	92	57-110	1	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	94	96	52-102	1	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	95	97	54-103	2	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	89	90	58-99	1	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	111	111	68-133	0	30
Hexachloroethane	N.D.	1.	5.	ug/l	99	103	33-106	4	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	83	84	56-109	1	30
Nitrobenzene	N.D.	1.	5.	ug/l	91	91	61-111	0	30
Isophorone	N.D.	1.	5.	ug/l	88	89	63-105	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	105	106	69-119	1	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	96	98	62-101	2	30
Naphthalene	N.D.	1.	5.	ug/l	96	97	70-102	1	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	102	105	33-118	2	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	128	137	14-169	7	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	75	79	56-100	4	30
Acenaphthylene	N.D.	1.	5.	ug/l	113	117	65-120	4	30
Dimethylphthalate	N.D.	2.	5.	ug/l	86	90	46-109	5	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	93	97	70-108	4	30
Acenaphthene	N.D.	1.	5.	ug/l	98	102	68-111	4	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	82	86	75-122	5	30
Fluorene	N.D.	1.	5.	ug/l	91	95	61-116	4	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	95	98	65-110	3	30
Diethylphthalate	N.D.	2.	5.	ug/l	95	99	61-110	4	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	106	104	62-106	1	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	107*	108*	63-104	1	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	108	109	67-110	1	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	103	103	68-113	0	30
Phenanthrene	N.D.	1.	5.	ug/l	100	100	68-111	0	30
Anthracene	N.D.	1.	5.	ug/l	101	101	68-108	0	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	111	111	63-113	0	30
Fluoranthene	N.D.	1.	5.	ug/l	93	92	66-108	1	30
Pyrene	N.D.	1.	5.	ug/l	106	104	68-114	2	30
Benzidine	N.D.	20.	60.	ug/l	82	79	20-134	3	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	93	93	63-120	0	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	98	96	72-112	2	30
Chrysene	N.D.	1.	5.	ug/l	96	96	70-111	0	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	81	81	39-116	0	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	96	94	62-126	1	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	123*	120*	58-118	3	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	119*	115	67-117	3	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	109	106	67-120	3	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	119	116	68-121	3	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	114	111	67-122	2	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS D %REC	LCS/LCSD Limits	RPD	RPD Max
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	122	118	71-129	3	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	116	114	67-121	2	30
Batch number: 052220012A	Sample number(s): 4579189,4579191,4579193								
Ethylene dibromide	N.D.	0.010	0.030	ug/l	88	108	60-140	21*	20
Batch number: 05222102201A	Sample number(s): 4579182-4579187								
Total Cyanide	N.D.	0.18	0.50	mg/kg	107		90-110		
Batch number: 052225713001	Sample number(s): 4579188-4579190,4579193								
Mercury	N.D.	0.00006	0.00020	mg/l	106		80-120		
		2							
Batch number: 05223113201A	Sample number(s): 4579182-4579187								
Phenols	N.D.	1.2	3.5	mg/kg	109		80-120		
Batch number: 05223WAC026	Sample number(s): 4579193								
1,4-Dioxane	N.D.	1.	5.	ug/l	59	60	43-73	2	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	87	90	65-107	3	30
2-Chlorophenol	N.D.	1.	5.	ug/l	86	84	63-112	3	30
Phenol	N.D.	1.	5.	ug/l	41	38	29-57	7	30
2-Nitrophenol	N.D.	1.	5.	ug/l	102	103	83-119	1	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	80	82	60-107	3	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	87	89	66-110	2	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	82	81	48-114	1	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	94	94	69-111	0	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	72	73	44-130	1	30
4-Nitrophenol	N.D.	10.	30.	ug/l	35	34	16-75	4	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	90	90	56-130	1	30
Pentachlorophenol	N.D.	3.	15.	ug/l	95	84	48-108	12	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	57	49	39-84	14	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	82	81	57-110	1	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	75	74	52-102	1	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	79	76	54-103	5	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	76	74	58-99	3	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	105	102	68-133	4	30
Hexachloroethane	N.D.	1.	5.	ug/l	70	68	33-106	2	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	78	74	56-109	5	30
Nitrobenzene	N.D.	1.	5.	ug/l	86	88	61-111	2	30
Isophorone	N.D.	1.	5.	ug/l	81	83	63-105	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	97	100	69-119	2	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	82	82	62-101	0	30
Naphthalene	N.D.	1.	5.	ug/l	87	87	70-102	0	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	66	68	33-118	3	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	82	81	14-169	1	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	70	70	56-100	0	30
Acenaphthylene	N.D.	1.	5.	ug/l	105	104	65-120	1	30
Dimethylphthalate	N.D.	2.	5.	ug/l	75	74	46-109	1	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	88	89	70-108	1	30
Acenaphthene	N.D.	1.	5.	ug/l	90	89	68-111	1	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	77	77	75-122	0	30
Fluorene	N.D.	1.	5.	ug/l	82	84	61-116	2	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	85	85	65-110	0	30
Diethylphthalate	N.D.	2.	5.	ug/l	86	86	61-110	0	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	100	100	62-106	0	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	103	100	63-104	3	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	100	100	67-110	1	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	91	89	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	94	94	68-111	0	30
Anthracene	N.D.	1.	5.	ug/l	94	92	68-108	2	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	99	97	63-113	2	30
Fluoranthene	N.D.	1.	5.	ug/l	90	88	66-108	2	30
Pyrene	N.D.	1.	5.	ug/l	98	101	68-114	2	30
Benzidine	N.D.	20.	60.	ug/l	94	88	20-134	6	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	85	89	63-120	4	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	91	92	72-112	0	30
Chrysene	N.D.	1.	5.	ug/l	93	95	70-111	2	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	88	85	39-116	4	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	84	87	62-126	4	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	93	95	58-118	2	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	97	94	67-117	3	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	89	92	67-120	3	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	100	99	68-121	1	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	101	98	67-122	4	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	109	105	71-129	4	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	105	104	67-121	0	30
Batch number: 05224117101A	Sample number(s): 4579188-4579189,4579193								
Total Cyanide	N.D.	0.0050	0.010	mg/l	103		90-110		
Batch number: 05224120101B	Sample number(s): 4579188-4579189,4579193								
Phenols	N.D.	0.0090	0.030	mg/l	96		83-108		
Batch number: N052272AA	Sample number(s): 4579188-4579189								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	97	97	77-127	0	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	96	98	57-141	2	30
Chloromethane	N.D.	1.	5.	ug/l	101	98	59-177	3	30
Vinyl Chloride	N.D.	1.	5.	ug/l	99	99	71-134	0	30
Bromomethane	N.D.	1.	5.	ug/l	73	67	62-131	8	30
Chloroethane	N.D.	1.	5.	ug/l	83	80	67-127	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	104	103	70-148	1	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	106	104	79-130	1	30
Methylene Chloride	N.D.	2.	5.	ug/l	106	104	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	104	103	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	102	101	83-127	1	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	106	106	84-117	0	30
Chloroform	N.D.	0.8	5.	ug/l	101	100	86-124	1	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	98	98	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	98	97	77-130	1	30
Benzene	N.D.	0.5	5.	ug/l	107	106	85-117	1	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	96	95	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	105	104	87-117	0	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	105	105	80-117	1	30
Bromodichloromethane	N.D.	1.	5.	ug/l	92	93	83-121	0	30
Toluene	N.D.	0.7	5.	ug/l	93	94	85-115	0	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	95	95	86-113	0	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	96	94	74-125	2	30
Dibromochloromethane	N.D.	1.	5.	ug/l	86	89	78-119	3	30
Chlorobenzene	N.D.	0.8	5.	ug/l	94	95	85-115	0	30
Ethylbenzene	N.D.	0.8	5.	ug/l	91	92	82-119	0	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromoform	N.D.	1.	5.	ug/l	85	89	69-118	4	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	89	88	72-119	1	30
1,2-Dibromoethane	N.D.	1.	5.	ug/l	92	93	81-114	1	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	84	85	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	102	102	78-114	1	30
Xylene (Total)	N.D.	0.8	5.	ug/l	92	93	83-113	1	30
Acrylonitrile	N.D.	4.	20.	ug/l	103	101	55-137	2	30
Acrolein	N.D.	40.	100.	ug/l	91	91	28-146	0	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	97	99	53-133	1	30
Batch number: N052272AB Sample number(s): 4579191-4579193									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	97	97	77-127	0	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	96	98	57-141	2	30
Chloromethane	N.D.	1.	5.	ug/l	101	98	59-177	3	30
Vinyl Chloride	N.D.	1.	5.	ug/l	99	99	71-134	0	30
Bromomethane	N.D.	1.	5.	ug/l	73	67	62-131	8	30
Chloroethane	N.D.	1.	5.	ug/l	83	80	67-127	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	104	103	70-148	1	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	106	104	79-130	1	30
Methylene Chloride	N.D.	2.	5.	ug/l	106	104	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	104	103	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	102	101	83-127	1	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	106	106	84-117	0	30
Chloroform	N.D.	0.8	5.	ug/l	101	100	86-124	1	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	98	98	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	98	97	77-130	1	30
Benzene	N.D.	0.5	5.	ug/l	107	106	85-117	1	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	96	95	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	105	104	87-117	0	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	105	105	80-117	1	30
Bromodichloromethane	N.D.	1.	5.	ug/l	92	93	83-121	0	30
Toluene	N.D.	0.7	5.	ug/l	93	94	85-115	0	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	95	95	86-113	0	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	96	94	74-125	2	30
Dibromochloromethane	N.D.	1.	5.	ug/l	86	89	78-119	3	30
Chlorobenzene	N.D.	0.8	5.	ug/l	94	95	85-115	0	30
Ethylbenzene	N.D.	0.8	5.	ug/l	91	92	82-119	0	30
Bromoform	N.D.	1.	5.	ug/l	85	89	69-118	4	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	89	88	72-119	1	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	84	85	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	102	102	78-114	1	30
Xylene (Total)	N.D.	0.8	5.	ug/l	92	93	83-113	1	30
Acrylonitrile	N.D.	4.	20.	ug/l	103	101	55-137	2	30
Acrolein	N.D.	40.	100.	ug/l	91	91	28-146	0	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	97	99	53-133	1	30
Batch number: N052272AC Sample number(s): 4579193									
Toluene	N.D.	0.7	5.	ug/l	93	94	85-115	0	30
Batch number: Q052232AA Sample number(s): 4579182-4579183, 4579187									
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	111	114	75-125	3	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	95	99	51-160	4	30
Chloromethane	N.D.	100.	250.	ug/kg	103	92	62-132	11	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	100	81	66-124	20	30
Bromomethane	N.D.	100.	250.	ug/kg	110	90	59-127	20	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloroethane	N.D.	100.	200.	ug/kg	101	93	63-120	8	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	104	83	65-138	22	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	114	100	69-133	13	30
Methylene Chloride	N.D.	100.	250.	ug/kg	112	113	75-120	1	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	112	103	77-124	8	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	114	108	79-124	5	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	112	110	76-120	2	30
Chloroform	N.D.	50.	250.	ug/kg	111	108	81-117	3	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	113	103	74-127	9	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	110	100	69-130	10	30
Benzene	N.D.	25.	250.	ug/kg	113	107	77-119	5	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	115	114	76-126	0	30
Trichloroethene	N.D.	50.	250.	ug/kg	112	105	81-114	6	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	110	108	78-119	2	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	117*	117*	77-116	0	30
Toluene	N.D.	50.	250.	ug/kg	106	102	81-116	3	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	106	108	74-117	2	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	105	99	73-127	7	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	112	110	73-116	2	30
Chlorobenzene	N.D.	50.	250.	ug/kg	105	103	81-112	2	30
Ethylbenzene	N.D.	50.	250.	ug/kg	106	102	82-115	3	30
Bromoform	N.D.	50.	250.	ug/kg	101	106	64-125	5	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	103	107	64-121	3	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	108	110	77-114	2	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	105	106	72-119	2	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	109	109	72-117	0	30
Xylene (Total)	N.D.	50.	250.	ug/kg	108	105	82-117	3	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	115	115	9-208	0	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	93	96	33-143	4	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	108	109	56-129	2	30
Batch number: X052271AA Sample number(s): 4579184-4579186									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	89	88	75-125	1	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	127	127	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	119	116	62-132	2	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	106	107	66-124	1	30
Bromomethane	N.D.	2.	5.	ug/kg	97	96	59-127	1	30
Chloroethane	N.D.	2.	4.	ug/kg	110	108	63-120	2	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	89	89	65-138	0	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	93	93	69-133	1	30
Methylene Chloride	N.D.	2.	5.	ug/kg	100	100	75-120	1	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	94	77-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	106	105	79-124	1	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	98	96	76-120	3	30
Chloroform	N.D.	1.	5.	ug/kg	98	97	81-117	1	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91	92	74-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	89	88	69-130	1	30
Benzene	N.D.	0.5	5.	ug/kg	104	104	77-119	0	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	95	93	76-126	3	30
Trichloroethene	N.D.	1.	5.	ug/kg	99	98	81-114	1	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	114	113	78-119	0	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	93	94	77-116	1	30
Toluene	N.D.	1.	5.	ug/kg	106	108	81-116	2	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	103	104	74-117	0	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	98	97	73-127	1	30

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Dibromochloromethane	N.D.	1.	5.	ug/kg	93	93	73-116	0	30
Chlorobenzene	N.D.	1.	5.	ug/kg	102	101	81-112	1	30
Ethylbenzene	N.D.	1.	5.	ug/kg	105	105	82-115	0	30
Bromoform	N.D.	1.	5.	ug/kg	88	85	64-125	3	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	114	106	64-121	7	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	97	96	77-114	2	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	102	103	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	100	99	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	103	104	82-117	1	30
Acrolein	N.D.	20.	40.	ug/kg	98	86	33-143	13	30
Acrylonitrile	N.D.	4.	20.	ug/kg	103	92	56-129	11	30

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052210013A Sample number(s): 4579182-4579187								
Gamma BHC - Lindane	0*	0*	43-154	0	35			
Heptachlor	0*	0*	70-138	0	35			
Aldrin	0*	0*	58-159	0	35			
p,p-DDT	0*	0*	62-166	0	35			
Dieldrin	0*	0*	68-139	0	35			
Endrin	0*	0*	48-188	0	35			
Methoxychlor	0*	0*	74-162	0	35			
Alpha BHC	0*	0*	64-134	0	35			
Beta BHC	0*	0*	31-176	0	35			
Delta BHC	0*	0*	68-158	0	35			
Heptachlor Epoxide	0*	0*	69-133	0	35			
p,p-DDE	0*	0*	48-175	0	35			
p,p-DDD	0*	0*	52-181	0	35			
Endosulfan I	0*	0*	41-166	0	35			
Endosulfan II	0*	0*	65-144	0	35			
Endosulfan Sulfate	0*	0*	65-154	0	35			
Endrin Aldehyde	0*	0*	63-125	0	35			
Batch number: 052211848004 Sample number(s): 4579188-4579190, 4579193								
Thallium	102	102	89-112	0	20	N.D.	N.D.	354* (1) 20
Arsenic	106	106	86-119	0	20	N.D.	N.D.	4778* (1) 20
Selenium	100	100	80-120	0	20	N.D.	N.D.	64* (1) 20
Antimony	104	104	80-120	0	20	N.D.	N.D.	32* (1) 20
Beryllium	105	105	91-117	0	20	N.D.	N.D.	33* (1) 20
Cadmium	103	104	87-117	1	20	N.D.	N.D.	233* (1) 20
Chromium	103	103	86-118	0	20	N.D.	N.D.	19 (1) 20
Copper	104	103	89-119	1	20	N.D.	N.D.	23* (1) 20
Lead	102	102	87-118	0	20	N.D.	N.D.	83* (1) 20
Nickel	103	103	91-111	0	20	N.D.	N.D.	45* (1) 20
Silver	105	104	80-120	1	20	N.D.	N.D.	19 (1) 20
Zinc	102	102	80-120	0	20	N.D.	N.D.	212* (1) 20
Batch number: 052215708004 Sample number(s): 4579182-4579187								
Thallium	96	95	84-105	1	20	1.08 J	1.25 J	14 (1) 20

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Arsenic	98	97	76-110	1	20	3.79	4.66	21* (1)
Selenium	96	96	80-120	1	20	N.D.	N.D.	61* (1)
Antimony	69*	73*	80-120	5	20	N.D.	N.D.	284* (1)
Beryllium	101	100	89-114	1	20	0.335 J	0.315 J	6 (1)
Cadmium	92	95	80-120	3	20	0.121 J	N.D.	483* (1)
Chromium	118	155*	80-120	8	20	66.6	67.9	2
Copper	110	117	80-120	3	20	28.8	29.9	4
Lead	95	96	80-120	1	20	7.72	7.23	7 (1)
Nickel	102	125*	80-120	10	20	59.8	63.8	7
Silver	104	104	80-120	0	20	0.400 J	0.397 J	1 (1)
Zinc	98	105	80-120	3	20	47.4	49.0	3
Batch number: 052215711001	Sample number(s): 4579182-4579187							
Mercury	68*	77*	80-120	2	20	0.556	0.496	11
Batch number: 05221820005A	Sample number(s): 4579182-4579187							
Moisture						15.4	15.8	3
Batch number: 05221SLD026	Sample number(s): 4579182-4579187							
1,4-Dioxane	46	54	6-84	14	30			
Phenol	72	75	48-128	2	30			
2-Chlorophenol	82	88	36-140	7	30			
1,4-Dichlorobenzene	81	91	46-115	11	30			
N-Nitroso-di-n-propylamine	74	82	42-132	10	30			
1,2,4-Trichlorobenzene	85	91	62-114	7	30			
4-Chloro-3-methylphenol	84	90	42-147	6	30			
Acenaphthene	86	97	47-137	12	30			
4-Nitrophenol	90	86	30-151	4	30			
2,4-Dinitrotoluene	79	84	66-126	7	30			
Pentachlorophenol	71	75	22-126	5	30			
Pyrene	102	102	25-159	0	30			
1-Methylnaphthalene	86	94	60-128	8	30			
2-Nitrophenol	78	89	53-140	14	30			
2,4-Dimethylphenol	79	85	44-131	6	30			
2,4-Dichlorophenol	84	91	60-123	8	30			
2,4,6-Trichlorophenol	86	93	51-128	7	30			
2,4-Dinitrophenol	0*	0*	20-152	0	30			
4,6-Dinitro-2-methylphenol	43	44	14-136	4	30			
N-Nitrosodimethylamine	68	77	56-110	12	30			
bis(2-Chloroethyl)ether	79	85	60-110	7	30			
1,3-Dichlorobenzene	82	87	52-112	7	30			
1,2-Dichlorobenzene	77	85	56-108	9	30			
bis(2-Chloroisopropyl)ether	109	112	38-157	3	30			
Hexachloroethane	73	76	30-130	4	30			
Nitrobenzene	77	89	65-113	15	30			
Isophorone	75	84	55-116	11	30			
bis(2-Chloroethoxy)methane	95	103	63-128	8	30			
Naphthalene	83	94	54-121	12	30			
Hexachlorobutadiene	87	99	43-132	13	30			
Hexachlorocyclopentadiene	0*	0*	5-175	0	30			
2-Chloronaphthalene	66	72	51-100	10	30			
Acenaphthylene	98	110	66-137	11	30			
Dimethylphthalate	79	87	70-112	10	30			
2,6-Dinitrotoluene	75	85	66-116	14	30			

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	RPD	RPD
Analysis Name								Max
Fluorene	84	93	48-130	10	30			
4-Chlorophenyl-phenylether	83	90	50-128	8	30			
Diethylphthalate	83	91	71-112	9	30			
1,2-Diphenylhydrazine	88	100	26-141	13	30			
N-Nitrosodiphenylamine	70	78	59-133	7	30			
4-Bromophenyl-phenylether	93	105	69-119	12	30			
Hexachlorobenzene	82	95	59-130	15	30			
Phenanthrene	85	92	28-155	5	30			
Anthracene	84	96	47-135	12	30			
Di-n-butylphthalate	95	106	67-119	11	30			
Fluoranthene	81	90	32-137	10	30			
Benzidine	62	69	20-173	11	30			
Butylbenzylphthalate	112	115	55-131	3	30			
Benzo(a)anthracene	101	102	39-144	1	30			
Chrysene	85	79	38-144	3	30			
3,3'-Dichlorobenzidine	86	98	10-133	13	30			
bis(2-Ethylhexyl)phthalate	118	126	54-141	6	30			
Di-n-octylphthalate	120	129	47-144	7	30			
Benzo(b)fluoranthene	104	86	24-155	15	30			
Benzo(k)fluoranthene	87	105	2-176	17	30			
Benzo(a)pyrene	98	101	38-142	2	30			
Indeno(1,2,3-cd)pyrene	93	98	1-186	5	30			
Dibenz(a,h)anthracene	102	104	44-154	2	30			
Benzo(g,h,i)perylene	96	100	32-150	4	30			
Batch number: 052220012A	Sample number(s): 4579189,4579191,4579193							
Ethylene dibromide	87		65-135		N.D.	N.D.	0 (1)	30
Batch number: 05222102201A	Sample number(s): 4579182-4579187							
Total Cyanide	98		52-135		1.1	1.1	1 (1)	17
Batch number: 052225713001	Sample number(s): 4579188-4579190,4579193							
Mercury	106	107	80-120	1	20	N.D.	N.D.	10 (1)
Batch number: 05223113201A	Sample number(s): 4579182-4579187							
Phenols	109	114	38-175	4	26			
Batch number: 05224117101A	Sample number(s): 4579188-4579189,4579193							
Total Cyanide	136*		82-114		0.66	0.68	4	20
Batch number: 05224120101B	Sample number(s): 4579188-4579189,4579193							
Phenols	93	89	80-108	3	5			
Batch number: N052272AA	Sample number(s): 4579188-4579189							
Methyl Tertiary Butyl Ether	122		69-134					
t-Butyl alcohol	102		51-147					
Chloromethane	106		72-208					
Vinyl Chloride	111		81-150					
Bromomethane	72		59-143					
Chloroethane	92		63-142					
Trichlorofluoromethane	115		77-177					
1,1-Dichloroethene	125		87-145					
Methylene Chloride	117		79-133					
trans-1,2-Dichloroethene	121		82-133					

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
1,1-Dichloroethane	114		85-135					
cis-1,2-Dichloroethene	119		83-126					
Chloroform	115		82-131					
1,1,1-Trichloroethane	114		81-142					
Carbon Tetrachloride	113		79-155					
Benzene	124		83-128					
1,2-Dichloroethane	107		73-136					
Trichloroethene	120		83-136					
1,2-Dichloropropane	115		83-129					
Bromodichloromethane	104		80-129					
Toluene	105		83-127					
1,1,2-Trichloroethane	113		77-125					
Tetrachloroethene	104		78-133					
Dibromochloromethane	95		73-119					
Chlorobenzene	104		83-120					
Ethylbenzene	103		82-129					
Bromoform	92		64-119					
1,1,2,2-Tetrachloroethane	94		69-121					
1,2-Dibromoethane	101		78-120					
trans-1,3-Dichloropropene	91		75-117					
cis-1,3-Dichloropropene	111		76-117					
Xylene (Total)	107		82-130					
Acrylonitrile	116		54-132					
Acrolein	97		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					
Batch number: N052272AB	Sample number(s): 4579191-4579193							
Methyl Tertiary Butyl Ether	122		69-134					
t-Butyl alcohol	102		51-147					
Chloromethane	106		72-208					
Vinyl Chloride	111		81-150					
Bromomethane	72		59-143					
Chloroethane	92		63-142					
Trichlorofluoromethane	115		77-177					
1,1-Dichloroethene	125		87-145					
Methylene Chloride	117		79-133					
trans-1,2-Dichloroethene	121		82-133					
1,1-Dichloroethane	114		85-135					
cis-1,2-Dichloroethene	119		83-126					
Chloroform	115		82-131					
1,1,1-Trichloroethane	114		81-142					
Carbon Tetrachloride	113		79-155					
Benzene	124		83-128					
1,2-Dichloroethane	107		73-136					
Trichloroethene	120		83-136					
1,2-Dichloropropane	115		83-129					
Bromodichloromethane	104		80-129					
Toluene	105		83-127					
1,1,2-Trichloroethane	113		77-125					
Tetrachloroethene	104		78-133					
Dibromochloromethane	95		73-119					
Chlorobenzene	104		83-120					
Ethylbenzene	103		82-129					
Bromoform	92		64-119					

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
1,1,2,2-Tetrachloroethane	94		69-121					
trans-1,3-Dichloropropene	91		75-117					
cis-1,3-Dichloropropene	111		76-117					
Xylene (Total)	107		82-130					
Acrylonitrile	116		54-132					
Acrolein	97		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					
Batch number: N052272AC	Sample number(s): 4579193							
Toluene	105		83-127					
Batch number: X052271AA	Sample number(s): 4579184-4579186							
Methyl Tertiary Butyl Ether	99		49-140					
t-Butyl alcohol	146		46-148					
Chloromethane	134*		60-132					
Vinyl Chloride	127*		60-126					
Bromomethane	105		52-121					
Chloroethane	125*		60-122					
Trichlorofluoromethane	109		53-142					
1,1-Dichloroethene	100		62-133					
Methylene Chloride	61		59-135					
trans-1,2-Dichloroethene	98		64-125					
1,1-Dichloroethane	114		65-125					
cis-1,2-Dichloroethene	101		63-125					
Chloroform	102		65-126					
1,1,1-Trichloroethane	97		59-134					
Carbon Tetrachloride	95		53-138					
Benzene	110		67-123					
1,2-Dichloroethane	98		62-130					
Trichloroethene	101		62-126					
1,2-Dichloropropane	119		64-120					
Bromodichloromethane	97		65-118					
Toluene	114		55-125					
1,1,2-Trichloroethane	107		62-122					
Tetrachloroethene	102		45-151					
Dibromochloromethane	97		62-120					
Chlorobenzene	103		62-116					
Ethylbenzene	108		50-127					
Bromoform	88		52-123					
1,1,2,2-Tetrachloroethane	133		37-142					
1,2-Dibromoethane	100		62-116					
trans-1,3-Dichloropropene	104		61-121					
cis-1,3-Dichloropropene	101		54-122					
Xylene (Total)	105		54-123					
Acrolein	99		12-136					
Acrylonitrile	105		47-125					

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052210008A

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Surrogate Quality Control

	Tetrachloro-m-xylene	Decachlorobiphenyl
4579188	99	110
4579189	99	104
4579193	192*	180*
Blank	97	100
LCS	101	107
LCSD	96	105

Limits: 45-125 47-155

Analysis Name: Pesticides/PCBs in Solids  
Batch number: 052210013A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4579182	0*	0*
4579183	0*	753*
4579184	147	131
4579185	116	135
4579186	0*	0*
4579187	0*	941*
Blank	98	108
LCS	105	109
MS	0*	0*
MSD	0*	0*

Limits: 58-149 62-159

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05221SLD026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4579182	73	83	80	80
4579183	82	95	79	87
4579184	81	94	87	88
4579185	79	92	88	87
4579186	83	96	86	98
4579187	70	80	55	148*
Blank	75	86	79	79
LCS	85	96	88	86
MS	75	85	82	80
MSD	82	92	92	90

Limits: 45-120 50-118 46-136 47-128

	2-Fluorobiphenyl	Terphenyl-d14
4579182	86	100
4579183	102	109
4579184	100	110
4579185	100	107
4579186	101	117
4579187	94	120
Blank	98	108
LCS	98	105
MS	89	96
MSD	97	105

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Surrogate Quality Control

Limits: 55-123 51-158

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05221WAF026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4579188	58	32	88	87
4579189	58	32	84	87
Blank	63	34	89	92
LCS	65	37	91	92
LCSD	66	37	95	94

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
4579188	101	113
4579189	100	113
Blank	102	121
LCS	102	116
LCSD	105	113

Limits: 64-112 52-151

Analysis Name: EDB in Wastewater  
Batch number: 052220012A  
1,1,2,2-Tetrachloroethane

4579189	72
4579191	106
4579193	124*
Blank	103
DUP	84
LCS	98
LCSD	131*
MS	99

Limits: 52-120

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05223WAC026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4579193	33	19	62	116
Blank	60	32	85	91
LCS	66	37	83	87
LCSD	63	35	83	92

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
4579193	95	131
Blank	96	112
LCS	99	104
LCSD	100	118

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Surrogate Quality Control

Limits: 64-112 52-151

Analysis Name: 8260 Special Cmpds for Waters  
Batch number: N052272AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4579188	102	102	96	88
4579189	101	100	97	89
Blank	98	100	96	88
LCS	100	104	96	93
LCSD	101	104	96	93
MS	101	104	96	93

Limits: 81-120 82-112 85-112 83-113

Analysis Name: PPL + Xylene (total) by 8260  
Batch number: N052272AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4579191	99	103	95	88
4579192	99	102	97	91
4579193	98	101	96	94
Blank	100	102	95	88
LCS	100	104	96	93
LCSD	101	104	96	93
MS	101	104	96	93

Limits: 81-120 82-112 85-112 83-113

Analysis Name: 8260 Master Scan (water)  
Batch number: N052272AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	101	101	95	89
LCS	100	104	96	93
LCSD	101	104	96	93
MS	101	104	96	93

Limits: 81-120 82-112 85-112 83-113

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: Q052232AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4579182	90	31*	79	81
4579183	106	105	99	101
4579187	0*	0*	0*	70
Blank	105	105	94	93
LCS	110	109	102	104
LCSD	108	107	99	102

Limits: 70-129 70-121 70-130 70-128

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: X052271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4579184	84	81	98	76

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 02:53 PM

Group Number: 954514

### Surrogate Quality Control

4579185	85	86	91	85
4579186	89	80	130	74
Blank	85	84	91	84
LCS	85	82	91	85
LCSD	84	81	91	85
MS	85	82	94	82
Limits:	70-129	70-121	70-130	70-128

\*- Outside of specification

\*\*\_This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



AR100571





# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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REVISED

**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 954923. Samples arrived at the laboratory on Wednesday, August 10, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-116 Grab Soil Sample	4581378
05-MET-125 Grab Soil Sample	4581379
05-MET-126 Grab Soil Sample	4581380
05-MET-120 Grab Soil Sample	4581381
05-MET-121 Grab Soil Sample	4581382
05-MET-096V Grab Soil Sample	4581383
05-MET-111 Grab Soil Sample	4581384
05-MET-107 Grab Soil Sample	4581385
05-MET-101 Grab Soil Sample	4581386
05-MET-095 Grab Soil Sample	4581387
05-MET-096 Grab Soil Sample	4581388
05-MET-096A Grab Soil Sample	4581389
EB-080905S Equipment Blank Grab Water Sample	4581390
TB-081005 Trip Blank Methanol Sample	4581391
EB-081005W Equipment Blank Grab Water Sample	4581392

1 COPY TO      Montgomery Watson Harza

Attn: [REDACTED]

REVISED

Questions? Contact your Client Services Representative  
[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Senior Specialist

Lancaster Laboratories Sample No. SW 4581378

05-MET-116 Grab Soil Sample

N(12.5-13)

Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:04

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT116

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	5.88	0.0234	0.878	mg/kg	5
06925	Thallium	7440-28-0	6.42	1.74	3.62	mg/kg	1
06935	Arsenic	7440-38-2	8.89	1.21	3.62	mg/kg	1
06936	Selenium	7782-49-2	2.70 J	1.74	3.62	mg/kg	1
06944	Antimony	7440-36-0	3.65	1.48	3.62	mg/kg	1
06947	Beryllium	7440-41-7	0.856 J	0.0778	0.905	mg/kg	1
06949	Cadmium	7440-43-9	18.2	0.156	0.905	mg/kg	1
06951	Chromium	7440-47-3	372.	0.959	2.72	mg/kg	1
06953	Copper	7440-50-8	307.	0.543	1.81	mg/kg	1
06955	Lead	7439-92-1	1,250.	1.41	3.62	mg/kg	1
06961	Nickel	7440-02-0	150.	0.597	1.81	mg/kg	1
06966	Silver	7440-22-4	1.23	0.344	0.905	mg/kg	1
06972	Zinc	7440-66-6	512.	0.833	3.62	mg/kg	1
00111	Moisture	n.a.	45.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	4.7	0.32	0.90	mg/kg	1
05912	Phenols	n.a.	17.2	4.4	12.7	mg/kg	2
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0155	0.0759	mg/kg	50
01219	Heptachlor	76-44-8	N.D.	0.0155	0.0759	mg/kg	50
01220	Aldrin	309-00-2	N.D.	0.0155	0.0759	mg/kg	50
01221	p,p-DDT	50-29-3	N.D.	0.0302	0.155	mg/kg	50
01222	Dieldrin	60-57-1	N.D.	0.0302	0.155	mg/kg	50
01223	Endrin	72-20-8	N.D.	0.0302	0.155	mg/kg	50
01859	Methoxychlor	72-43-5	N.D.	0.155	0.759	mg/kg	50
01981	Alpha BHC	319-84-6	N.D.	0.0155	0.0759	mg/kg	50
01982	Beta BHC	319-85-7	N.D.	0.0155	0.0759	mg/kg	50
01983	Delta BHC	319-86-8	N.D.	0.0192	0.0759	mg/kg	50
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0155	0.0759	mg/kg	50
01985	p,p-DDE	72-55-9	N.D.	0.0938	0.155	mg/kg	50
01986	p,p-DDD	72-54-8	N.D.	0.0302	0.155	mg/kg	50
01987	Chlordane	57-74-9	N.D.	0.366	1.55	mg/kg	50
01988	Toxaphene	8001-35-2	N.D.	1.01	3.02	mg/kg	50
01989	Endosulfan I	959-98-8	N.D.	0.0155	0.0759	mg/kg	50
01990	Endosulfan II	33213-65-9	N.D.	0.0302	0.155	mg/kg	50
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0302	0.155	mg/kg	50
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0302	0.155	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR100576



Lancaster Laboratories Sample No. SW 4581378

05-MET-116 Grab Soil Sample  
N(12.5-13)  
Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:04  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT116

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.676	1.55	mg/kg	50
01994	PCB-1221	11104-28-2	N.D.	0.302	1.55	mg/kg	50
01995	PCB-1232	11141-16-5	N.D.	0.439	1.55	mg/kg	50
01996	PCB-1242	53469-21-9	N.D.	0.274	1.55	mg/kg	50
01997	PCB-1248	12672-29-6	N.D.	1.01	3.02	mg/kg	50
01998	PCB-1254	11097-69-1	2.72	0.302	1.55	mg/kg	50
01999	PCB-1260	11096-82-5	N.D.	1.01	3.02	mg/kg	50

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	2.7	14.	mg/kg	1
01185	Phenol	108-95-2	8.7	0.91	4.6	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.91	4.6	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.91	4.6	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.91	4.6	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	4.9	0.91	4.6	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	1.8	4.6	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.91	4.6	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	4.6	14.	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	1.8	4.6	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	4.6	14.	mg/kg	1
01195	Pyrene	129-00-0	8.9	0.91	4.6	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	9.3	0.91	4.6	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.91	4.6	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	2.7	4.6	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.91	4.6	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.91	4.6	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	18.	55.	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	7.0 J	4.6	14.	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	1.8	4.6	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.91	4.6	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.91	4.6	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	0.97 J	0.91	4.6	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.91	4.6	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.91	4.6	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100577

Lancaster Laboratories Sample No. SW 4581378

05-MET-116 Grab Soil Sample  
N(12.5-13)  
Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:04  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT116

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.91	4.6	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.91	4.6	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.91	4.6	mg/kg	1
03761	Naphthalene	91-20-3	5.1	0.91	4.6	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	1.8	4.6	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	4.6	14.	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.91	4.6	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.91	4.6	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	1.8	4.6	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.91	4.6	mg/kg	1
03768	Fluorene	86-73-7	1.5 J	0.91	4.6	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.91	4.6	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	1.8	4.6	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.91	4.6	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	3.5 J	0.91	4.6	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.91	4.6	mg/kg	1
03774	Hexachlorobenzene	118-74-1	0.97 J	0.91	4.6	mg/kg	1
03775	Phenanthrene	85-01-8	7.5	0.91	4.6	mg/kg	1
03776	Anthracene	120-12-7	1.8 J	0.91	4.6	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	1.8	4.6	mg/kg	1
03778	Fluoranthene	206-44-0	6.3	0.91	4.6	mg/kg	1
03779	Benzidine	92-87-5	N.D.	18.	55.	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	1.8	4.6	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	5.2	0.91	4.6	mg/kg	1
03782	Chrysene	218-01-9	7.3	0.91	4.6	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.7	9.1	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	88.	1.8	9.1	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	1.8	4.6	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	3.7 J	0.91	4.6	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	2.1 J	0.91	4.6	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	3.7 J	0.91	4.6	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.7 J	0.91	4.6	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	1.3 J	0.91	4.6	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	2.9 J	0.91	4.6	mg/kg	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to sample matrix interferences observed during the extraction, the

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4581378

05-MET-116 Grab Soil Sample  
N(12.5-13)  
Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:04  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT116

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	normal reporting limits could not be obtained.						
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	8.2	41.	mg/kg	4504.5
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	4.1	41.	mg/kg	4504.5
02020	t-Butyl alcohol	75-65-0	N.D.	160.	820.	mg/kg	4504.5
05444	Chloromethane	74-87-3	N.D.	16.	41.	mg/kg	4504.5
05445	Vinyl Chloride	75-01-4	N.D.	8.2	41.	mg/kg	4504.5
05446	Bromomethane	74-83-9	N.D.	16.	41.	mg/kg	4504.5
05447	Chloroethane	75-00-3	N.D.	16.	41.	mg/kg	4504.5
05448	Trichlorofluoromethane	75-69-4	N.D.	16.	41.	mg/kg	4504.5
05449	1,1-Dichloroethene	75-35-4	N.D.	8.2	41.	mg/kg	4504.5
05450	Methylene Chloride	75-09-2	N.D.	16.	41.	mg/kg	4504.5
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	8.2	41.	mg/kg	4504.5
05452	1,1-Dichloroethane	75-34-3	N.D.	8.2	41.	mg/kg	4504.5
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	8.2	41.	mg/kg	4504.5
05455	Chloroform	67-66-3	N.D.	8.2	41.	mg/kg	4504.5
05457	1,1,1-Trichloroethane	71-55-6	N.D.	8.2	41.	mg/kg	4504.5
05458	Carbon Tetrachloride	56-23-5	N.D.	8.2	41.	mg/kg	4504.5
05460	Benzene	71-43-2	N.D.	4.1	41.	mg/kg	4504.5
05461	1,2-Dichloroethane	107-06-2	N.D.	8.2	41.	mg/kg	4504.5
05462	Trichloroethene	79-01-6	N.D.	8.2	41.	mg/kg	4504.5
05463	1,2-Dichloropropane	78-87-5	N.D.	8.2	41.	mg/kg	4504.5
05465	Bromodichloromethane	75-27-4	N.D.	8.2	41.	mg/kg	4504.5
05466	Toluene	108-88-3	N.D.	8.2	41.	mg/kg	4504.5
05467	1,1,2-Trichloroethane	79-00-5	N.D.	8.2	41.	mg/kg	4504.5
05468	Tetrachloroethene	127-18-4	N.D.	8.2	41.	mg/kg	4504.5
05470	Dibromochloromethane	124-48-1	N.D.	8.2	41.	mg/kg	4504.5
05472	Chlorobenzene	108-90-7	N.D.	8.2	41.	mg/kg	4504.5
05474	Ethylbenzene	100-41-4	N.D.	8.2	41.	mg/kg	4504.5
05478	Bromoform	75-25-2	N.D.	8.2	41.	mg/kg	4504.5
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	8.2	41.	mg/kg	4504.5
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	8.2	41.	mg/kg	4504.5
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	8.2	41.	mg/kg	4504.5
06301	Xylene (Total)	1330-20-7	N.D.	8.2	41.	mg/kg	4504.5
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	16.	82.	mg/kg	4504.5
07586	Acrolein	107-02-8	N.D.	160.	820.	mg/kg	4504.5

\*=This limit was used in the evaluation of the final result

AR100579

Lancaster Laboratories Sample No. SW 4581378

05-MET-116 Grab Soil Sample  
N(12.5-13)  
Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:04

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT116

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	33.	160.	mg/kg	4504.5

The GC/MS volatile analysis was performed according to the high level soil method due to the nature of the sample matrix. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 10:01	[REDACTED]	5
06925	Thallium	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100580

Lancaster Laboratories Sample No. SW 4581378

05-MET-116 Grab Soil Sample  
N(12.5-13)  
Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:04  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT116						
06972	Zinc	SW-846 6010B	1	08/13/2005 01:27	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 17:03	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 12:28	[REDACTED]	2
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/13/2005 01:27	[REDACTED]	50
04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 10:39	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/16/2005 01:52	[REDACTED]	4504.5
07584	PPL Volatiles	SW-846 8260B	1	08/16/2005 01:52	[REDACTED]	4504.5
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/12/2005 10:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 11:40	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 00:00	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581378  
Sample wt/vol: 5.55 (g/mL) g Lab File ID: HP07536.i/05aug15c.b/qg15s65.d  
Level: (low/med) MED Date Received: 08/10/05  
% Moisture: not dec. 45 Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 4504.  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581378  
Sample wt/vol: 10 (g/mL) g Lab File ID: oh0399.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 45 Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	3.221	67	J
2.	!Unknown Alkane	3.504	140	J
3.	!Unknown Alkane	3.651	55	J
4.	!Unknown Alkane	3.928	69	J
5.	!Unknown	4.014	30	J
6.	!Unknown Alkane	4.149	36	J
7.	!Unknown Alkane	6.941	46	J
8.	!Unknown Alkane	7.623	35	J
9.	!Unknown Carboxylic Acid	7.875	29	J
10.	!Unknown Alkane	8.232	32	J
11.	!Unknown Carboxylic Acid	8.478	190	J
12.	!Unknown Alkane	8.718	31	J
13.	!Unknown Alkane	8.791	34	J
14.	!Unknown Alkane	8.957	36	J
15.	!Unknown	9.043	36	J
16.	!Unknown Alkane	9.203	36	J
17.	!Unknown Alkane	9.302	49	J
18.	!Unknown Alkane	10.089	57	J
19.	!Unknown Alkane	10.150	46	J
20.	!Unknown	10.261	51	J
21.	!Unknown	10.661	78	J
22.	!Unknown Alkane	10.845	45	J
23.	!Unknown Alkane	10.943	38	J
24.	!Unknown	11.036	75	J
25.	!Unknown Alkane	11.835	29	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100583

Lancaster Laboratories Sample No. SW 4581379

05-MET-125 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 08:20

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:04  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT125

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0040 J	0.0032	0.121	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.24	2.58	mg/kg	1
06935	Arsenic	7440-38-2	4.27	0.865	2.58	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.24	2.58	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.06	2.58	mg/kg	1
06947	Beryllium	7440-41-7	0.400 J	0.0555	0.645	mg/kg	1
06949	Cadmium	7440-43-9	0.188 J	0.111	0.645	mg/kg	1
06951	Chromium	7440-47-3	10.7	0.684	1.94	mg/kg	1
06953	Copper	7440-50-8	19.0	0.387	1.29	mg/kg	1
06955	Lead	7439-92-1	11.0	1.01	2.58	mg/kg	1
06961	Nickel	7440-02-0	11.6	0.426	1.29	mg/kg	1
06966	Silver	7440-22-4	0.337 J	0.245	0.645	mg/kg	1
06972	Zinc	7440-66-6	110.	0.594	2.58	mg/kg	1
00111	Moisture	n.a.	22.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00439	0.0214	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00439	0.0214	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00439	0.0214	mg/kg	20
01221	p,p-DDT	50-29-3	0.0197 J	0.00852	0.0439	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00852	0.0439	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00852	0.0439	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0439	0.214	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00439	0.0214	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00439	0.0214	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00542	0.0214	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00439	0.0214	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00852	0.0439	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00852	0.0439	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.103	0.439	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.284	0.852	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00439	0.0214	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00852	0.0439	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00852	0.0439	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00852	0.0439	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR100584

Lancaster Laboratories Sample No. SW 4581379

05-MET-125 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 08:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:04  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT125

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.191	0.439	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0852	0.439	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.124	0.439	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0774	0.439	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.284	0.852	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0852	0.439	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.284	0.852	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.65	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.043	0.22	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.043	0.22	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.043	0.22	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.043	0.22	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.043	0.22	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.086	0.22	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.043	0.22	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.22	0.65	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.086	0.22	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.22	0.65	mg/kg	1
01195	Pyrene	129-00-0	1.7	0.043	0.22	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.043	0.22	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.043	0.22	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.22	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.043	0.22	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.043	0.22	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.86	2.6	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.22	0.65	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.086	0.22	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.043	0.22	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.043	0.22	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.043	0.22	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.043	0.22	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.043	0.22	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.043	0.22	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.043	0.22	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100585

Lancaster Laboratories Sample No. SW 4581379

05-MET-125 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 08:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:04  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT125

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.043	0.22	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.043	0.22	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.086	0.22	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.22	0.65	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.043	0.22	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.043	0.22	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.086	0.22	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.043	0.22	mg/kg	1
03768	Fluorene	86-73-7	0.061 J	0.043	0.22	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.043	0.22	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.086	0.22	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.043	0.22	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.043	0.22	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.043	0.22	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.043	0.22	mg/kg	1
03775	Phenanthrene	85-01-8	0.13 J	0.043	0.22	mg/kg	1
03776	Anthracene	120-12-7	0.14 J	0.043	0.22	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.086	0.22	mg/kg	1
03778	Fluoranthene	206-44-0	0.32	0.043	0.22	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.86	2.6	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.086	0.22	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.1	0.043	0.22	mg/kg	1
03782	Chrysene	218-01-9	1.5	0.043	0.22	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.43	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.086	0.43	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.086	0.22	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.61	0.043	0.22	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.18 J	0.043	0.22	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.78	0.043	0.22	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.42	0.043	0.22	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.49	0.043	0.22	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.73	0.043	0.22	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.012	mg/kg	1.92
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR100586



Lancaster Laboratories Sample No. SW 4581379

05-MET-125 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 08:20

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:04  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT125

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.012	mg/kg	1.92
02020	t-Butyl alcohol	75-65-0	N.D.	0.050	0.25	mg/kg	1.92
05444	Chloromethane	74-87-3	N.D.	0.005	0.012	mg/kg	1.92
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.012	mg/kg	1.92
05446	Bromomethane	74-83-9	N.D.	0.005	0.012	mg/kg	1.92
05447	Chloroethane	75-00-3	N.D.	0.005	0.012	mg/kg	1.92
05448	Trichlorofluoromethane	75-69-4	N.D.	0.005	0.012	mg/kg	1.92
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.012	mg/kg	1.92
05450	Methylene Chloride	75-09-2	N.D.	0.005	0.012	mg/kg	1.92
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.012	mg/kg	1.92
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.012	mg/kg	1.92
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.012	mg/kg	1.92
05455	Chloroform	67-66-3	N.D.	0.002	0.012	mg/kg	1.92
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.012	mg/kg	1.92
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.012	mg/kg	1.92
05460	Benzene	71-43-2	N.D.	0.001	0.012	mg/kg	1.92
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.012	mg/kg	1.92
05462	Trichloroethene	79-01-6	N.D.	0.002	0.012	mg/kg	1.92
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.012	mg/kg	1.92
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.012	mg/kg	1.92
05466	Toluene	108-88-3	N.D.	0.002	0.012	mg/kg	1.92
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.012	mg/kg	1.92
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.012	mg/kg	1.92
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.012	mg/kg	1.92
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.012	mg/kg	1.92
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.012	mg/kg	1.92
05478	Bromoform	75-25-2	N.D.	0.002	0.012	mg/kg	1.92
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.012	mg/kg	1.92
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.012	mg/kg	1.92
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.012	mg/kg	1.92
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.012	mg/kg	1.92
07586	Acrolein	107-02-8	N.D.	0.050	0.25	mg/kg	1.92
07587	Acrylonitrile	107-13-1	N.D.	0.01	0.050	mg/kg	1.92

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR100587

Lancaster Laboratories Sample No. SW 4581379

05-MET-125 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 08:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:04  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT125

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 09:28	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/13/2005 01:32	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 17:04	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 11:52	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/13/2005 01:48	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 11:42	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 19:50	[REDACTED]	1.92
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 19:50	[REDACTED]	1.92
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/12/2005 10:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100588

**Lancaster Laboratories Sample No. SW 4581379****05-MET-125 Grab Soil Sample****N(8.5-9)****Former Metro Container Investigation**

Collected: 08/10/2005 08:20

by

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:04

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT125

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 11:42		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 00:01		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581379  
Sample wt/vol: 2.6 (g/mL) g Lab File ID: HP09193.i/05aug15a.b/xg15s08.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. 22 Date Analyzed: 08/15/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.88	1.1	J
2.	Unknown	13.32	0.13	J
3.	Unknown	13.46	0.19	J
4.	Unknown alkane	13.55	0.21	J
5.	Unknown	13.67	0.14	J
6.	Unknown alkane	13.74	0.23	J
7.	Unknown alicyclic	13.76	0.22	J
8.	Unknown alkane	13.86	0.12	J
9.	Unknown alicyclic	14.11	0.19	J
10.	Unknown alkane	14.15	0.35	J
11.	Unknown	14.22	0.21	J
12.	Unknown alkane	14.40	0.14	J
13.	Unknown alkane	14.53	0.13	J
14.	Unknown	14.76	0.13	J
15.	Unknown	14.82	0.12	J
16.				
17.				
18.				
19.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100590

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581379  
Sample wt/vol: 30 (g/mL) g Lab File ID: oh0402.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 22 Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.323	21	JAB
2.	!Unknown Alkane	5.053	1.8	J
3.	!Unknown Alkane	5.194	1.7	J
4.	!Unknown	7.426	1.9	J
5.	!Unknown	7.783	1.6	J
6.	!Unknown	7.881	1.9	J
7.	!Unknown	7.937	3.0	J
8.	!Unknown	8.090	2.3	J
9.	!Unknown	8.189	2.2	J
10.	!Unknown Alkane	8.238	5.2	J
11.	!Unknown Alkane	8.441	1.7	J
12.	!Unknown	8.804	1.7	J
13.	!Unknown	8.877	1.6	J
14.	!Unknown	8.970	2.0	J
15.	!Unknown	9.111	1.6	J
16.	!Unknown Alkane	9.234	2.5	J
17.	!Unknown	9.363	1.6	J
18.	!Unknown	9.646	1.9	J
19.	!Unknown	10.169	2.4	J
20.	!Unknown	10.273	1.8	J
21.	!Unknown	10.525	2.9	J
22.	!Unknown Alkane	10.691	4.2	J
23.	!Unknown Alkane	10.956	4.4	J
24.	!Unknown	11.048	3.7	J
25.	!Unknown	11.152	3.2	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100591



Lancaster Laboratories Sample No. SW 4581380

05-MET-126 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:05  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT126

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.125 J	0.0035	0.131	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.31	2.73	mg/kg	1
06935	Arsenic	7440-38-2	7.61	0.914	2.73	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.31	2.73	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.12	2.73	mg/kg	1
06947	Beryllium	7440-41-7	0.787	0.0586	0.682	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.117	0.682	mg/kg	1
06951	Chromium	7440-47-3	14.3	0.723	2.05	mg/kg	1
06953	Copper	7440-50-8	86.8	0.409	1.36	mg/kg	1
06955	Lead	7439-92-1	218.	1.06	2.73	mg/kg	1
06961	Nickel	7440-02-0	18.6	0.450	1.36	mg/kg	1
06966	Silver	7440-22-4	0.460 J	0.259	0.682	mg/kg	1
06972	Zinc	7440-66-6	207.	0.627	2.73	mg/kg	1
00111	Moisture	n.a.	27.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.68	mg/kg	1
05912	Phenols	n.a.	1.7 J	1.7	4.8	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0937	0.457	mg/kg	400
01219	Heptachlor	76-44-8	N.D.	0.0937	0.457	mg/kg	400
01220	Aldrin	309-00-2	N.D.	0.0937	0.457	mg/kg	400
01221	p,p-DDT	50-29-3	N.D.	0.182	0.937	mg/kg	400
01222	Dieldrin	60-57-1	N.D.	0.182	0.937	mg/kg	400
01223	Endrin	72-20-8	N.D.	0.182	0.937	mg/kg	400
01859	Methoxychlor	72-43-5	N.D.	0.937	4.57	mg/kg	400
01981	Alpha BHC	319-84-6	N.D.	0.0937	0.457	mg/kg	400
01982	Beta BHC	319-85-7	N.D.	0.0937	0.457	mg/kg	400
01983	Delta BHC	319-86-8	N.D.	0.116	0.457	mg/kg	400
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0937	0.457	mg/kg	400
01985	p,p-DDE	72-55-9	N.D.	0.182	0.937	mg/kg	400
01986	p,p-DDD	72-54-8	N.D.	0.182	0.937	mg/kg	400
01987	Chlordane	57-74-9	N.D.	2.20	9.37	mg/kg	400
01988	Toxaphene	8001-35-2	N.D.	6.06	18.2	mg/kg	400
01989	Endosulfan I	959-98-8	N.D.	0.0937	0.457	mg/kg	400
01990	Endosulfan II	33213-65-9	N.D.	0.182	0.937	mg/kg	400
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.182	0.937	mg/kg	400
01992	Endrin Aldehyde	7421-93-4	N.D.	0.182	0.937	mg/kg	400

\*=This limit was used in the evaluation of the final result

AR100592

Lancaster Laboratories Sample No. SW 4581380

05-MET-126 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:05  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT126

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	4.08	9.37	mg/kg	400
01994	PCB-1221	11104-28-2	N.D.	1.82	9.37	mg/kg	400
01995	PCB-1232	11141-16-5	N.D.	2.64	9.37	mg/kg	400
01996	PCB-1242	53469-21-9	N.D.	1.65	9.37	mg/kg	400
01997	PCB-1248	12672-29-6	N.D.	6.06	18.2	mg/kg	400
01998	PCB-1254	11097-69-1	N.D.	1.82	9.37	mg/kg	400
01999	PCB-1260	11096-82-5	N.D.	6.06	18.2	mg/kg	400

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	4.1	21.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.4	6.9	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.4	6.9	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.4	6.9	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.4	6.9	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.4	6.9	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.8	6.9	mg/kg	10
01191	Acenaphthene	83-32-9	2.0 J	1.4	6.9	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	6.9	21.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.8	6.9	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	6.9	21.	mg/kg	10
01195	Pyrene	129-00-0	45.	1.4	6.9	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	2.9 J	1.4	6.9	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.4	6.9	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	4.1	6.9	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.4	6.9	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.4	6.9	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	28.	83.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	6.9	21.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.8	6.9	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.4	6.9	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.4	6.9	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.4	6.9	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.4	6.9	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	1.4	6.9	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.4	6.9	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.4	6.9	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR100593

Lancaster Laboratories Sample No. SW 4581380

05-MET-126 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:05  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT126

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.4	6.9	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	1.4	6.9	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.8	6.9	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	6.9	21.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.4	6.9	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.4	6.9	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.8	6.9	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.4	6.9	mg/kg	10
03768	Fluorene	86-73-7	3.5 J	1.4	6.9	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.4	6.9	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.8	6.9	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.4	6.9	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	3.8 J	1.4	6.9	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.4	6.9	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.4	6.9	mg/kg	10
03775	Phenanthrene	85-01-8	19.	1.4	6.9	mg/kg	10
03776	Anthracene	120-12-7	7.4	1.4	6.9	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	2.8	6.9	mg/kg	10
03778	Fluoranthene	206-44-0	6.9	1.4	6.9	mg/kg	10
03779	Benzidine	92-87-5	N.D.	28.	83.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.8	6.9	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	52.	1.4	6.9	mg/kg	10
03782	Chrysene	218-01-9	56.	1.4	6.9	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.1	14.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.8	14.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.8	6.9	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	28.	1.4	6.9	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	11.	1.4	6.9	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	68.	1.4	6.9	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	29.	1.4	6.9	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	42.	1.4	6.9	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	68.	1.4	6.9	mg/kg	10

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR100594

Lancaster Laboratories Sample No. SW 4581380

05-MET-126 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:05  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT126

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.71	3.6	mg/kg	517.6
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.36	3.6	mg/kg	517.6
02020	t-Butyl alcohol	75-65-0	N.D.	14.	71.	mg/kg	517.6
05444	Chloromethane	74-87-3	N.D.	1.4	3.6	mg/kg	517.6
05445	Vinyl Chloride	75-01-4	N.D.	0.71	3.6	mg/kg	517.6
05446	Bromomethane	74-83-9	N.D.	1.4	3.6	mg/kg	517.6
05447	Chloroethane	75-00-3	N.D.	1.4	3.6	mg/kg	517.6
05448	Trichlorofluoromethane	75-69-4	N.D.	1.4	3.6	mg/kg	517.6
05449	1,1-Dichloroethene	75-35-4	N.D.	0.71	3.6	mg/kg	517.6
05450	Methylene Chloride	75-09-2	N.D.	1.4	3.6	mg/kg	517.6
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.71	3.6	mg/kg	517.6
05452	1,1-Dichloroethane	75-34-3	N.D.	0.71	3.6	mg/kg	517.6
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.71	3.6	mg/kg	517.6
05455	Chloroform	67-66-3	N.D.	0.71	3.6	mg/kg	517.6
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.71	3.6	mg/kg	517.6
05458	Carbon Tetrachloride	56-23-5	N.D.	0.71	3.6	mg/kg	517.6
05460	Benzene	71-43-2	N.D.	0.36	3.6	mg/kg	517.6
05461	1,2-Dichloroethane	107-06-2	N.D.	0.71	3.6	mg/kg	517.6
05462	Trichloroethene	79-01-6	N.D.	0.71	3.6	mg/kg	517.6
05463	1,2-Dichloropropane	78-87-5	N.D.	0.71	3.6	mg/kg	517.6
05465	Bromodichloromethane	75-27-4	N.D.	0.71	3.6	mg/kg	517.6
05466	Toluene	108-88-3	N.D.	0.71	3.6	mg/kg	517.6
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.71	3.6	mg/kg	517.6
05468	Tetrachloroethene	127-18-4	N.D.	0.71	3.6	mg/kg	517.6
05470	Dibromochloromethane	124-48-1	N.D.	0.71	3.6	mg/kg	517.6
05472	Chlorobenzene	108-90-7	N.D.	0.71	3.6	mg/kg	517.6
05474	Ethylbenzene	100-41-4	N.D.	0.71	3.6	mg/kg	517.6
05478	Bromoform	75-25-2	N.D.	0.71	3.6	mg/kg	517.6
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.71	3.6	mg/kg	517.6
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.71	3.6	mg/kg	517.6
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.71	3.6	mg/kg	517.6
06301	Xylene (Total)	1330-20-7	N.D.	0.71	3.6	mg/kg	517.6
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	1.4	7.1	mg/kg	517.6
07586	Acrolein	107-02-8	N.D.	14.	71.	mg/kg	517.6
07587	Acrylonitrile	107-13-1	N.D.	2.9	14.	mg/kg	517.6

\*=This limit was used in the evaluation of the final result

AR100595

Lancaster Laboratories Sample No. SW 4581380

05-MET-126 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:05

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT126

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 09:29	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/13/2005 01:37	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100596



Lancaster Laboratories Sample No. SW 4581380

05-MET-126 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:05  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

## MT126

00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 17:08	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 13:11	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 11:47	[REDACTED]	400
04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 12:03	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/16/2005 02:50	[REDACTED]	517.6
07584	PPL Volatiles	SW-846 8260B	1	08/16/2005 02:50	[REDACTED]	517.6
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/12/2005 10:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 11:43	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 00:02	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581380  
Sample wt/vol: 4.83 (g/mL) g Lab File ID: HP07536.i/05aug15c.b/qg15s66.d  
Level: (low/med) MED Date Received: 08/10/05  
% Moisture: not dec. 27 Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 517.6  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown aromatic	14.31	4.1	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581380  
Sample wt/vol: 10 (g/mL) g Lab File ID: oh0403.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 27 Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.305	63	JAB
2.	Unknown Cycloalkane	7.574	78	J
3.	Unknown	7.771	63	J
4.	Unknown	7.838	67	J
5.	Unknown Cycloalkane	7.931	79	J
6.	Unknown	8.004	54	J
7.	Unknown	8.041	87	J
8.	Unknown	8.121	150	J
9.	Unknown	8.207	56	J
10.	Unknown Alkane	8.269	160	J
11.	Unknown	8.367	240	J
12.	Unknown	9.099	41	J
13.	Unknown	9.191	56	J
14.	Unknown	9.302	52	J
15.	Unknown	9.634	49	J
16.	Unknown	10.089	83	J
17.	Unknown	10.181	180	J
18.	Unknown	10.267	120	J
19.	Unknown	10.439	85	J
20.	Unknown PAH	10.544	75	J
21.	Unknown	10.673	58	J
22.	Unknown	10.765	71	J
23.	Unknown	10.827	100	J
24.	Unknown	10.950	72	J
25.	Unknown	11.091	87	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100599

Lancaster Laboratories Sample No. SW 4581381

05-MET-120 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:06  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT120

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.205	0.0033	0.125	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.26	2.62	mg/kg	1
06935	Arsenic	7440-38-2	8.58	0.877	2.62	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.26	2.62	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.07	2.62	mg/kg	1
06947	Beryllium	7440-41-7	0.183 J	0.0563	0.654	mg/kg	1
06949	Cadmium	7440-43-9	0.266 J	0.113	0.654	mg/kg	1
06951	Chromium	7440-47-3	18.3	0.694	1.96	mg/kg	1
06953	Copper	7440-50-8	27.1	0.393	1.31	mg/kg	1
06955	Lead	7439-92-1	36.5	1.02	2.62	mg/kg	1
06961	Nickel	7440-02-0	11.8	0.432	1.31	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.249	0.654	mg/kg	1
06972	Zinc	7440-66-6	66.4	0.602	2.62	mg/kg	1
00111	Moisture	n.a.	23.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.64	mg/kg	1
05912	Phenols	n.a.	5.1	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0890	0.435	mg/kg	400
01219	Heptachlor	76-44-8	N.D.	0.0890	0.435	mg/kg	400
01220	Aldrin	309-00-2	N.D.	0.0890	0.435	mg/kg	400
01221	p,p-DDT	50-29-3	N.D.	0.173	0.890	mg/kg	400
01222	Dieldrin	60-57-1	N.D.	0.173	0.890	mg/kg	400
01223	Endrin	72-20-8	N.D.	0.173	0.890	mg/kg	400
01859	Methoxychlor	72-43-5	N.D.	0.890	4.35	mg/kg	400
01981	Alpha BHC	319-84-6	N.D.	0.0890	0.435	mg/kg	400
01982	Beta BHC	319-85-7	N.D.	0.0890	0.435	mg/kg	400
01983	Delta BHC	319-86-8	N.D.	0.110	0.435	mg/kg	400
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0890	0.435	mg/kg	400
01985	p,p-DDE	72-55-9	N.D.	0.173	0.890	mg/kg	400
01986	p,p-DDD	72-54-8	N.D.	0.173	0.890	mg/kg	400
01987	Chlordane	57-74-9	N.D.	2.09	8.90	mg/kg	400
01988	Toxaphene	8001-35-2	N.D.	5.76	17.3	mg/kg	400
01989	Endosulfan I	959-98-8	N.D.	0.0890	0.435	mg/kg	400
01990	Endosulfan II	33213-65-9	N.D.	0.173	0.890	mg/kg	400
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.173	0.890	mg/kg	400
01992	Endrin Aldehyde	7421-93-4	N.D.	0.173	0.890	mg/kg	400

\*=This limit was used in the evaluation of the final result

AR100600

Lancaster Laboratories Sample No. SW 4581381

05-MET-120 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:06  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT120

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	3.87	8.90	mg/kg	400
01994	PCB-1221	11104-28-2	N.D.	1.73	8.90	mg/kg	400
01995	PCB-1232	11141-16-5	N.D.	2.51	8.90	mg/kg	400
01996	PCB-1242	53469-21-9	N.D.	1.57	8.90	mg/kg	400
01997	PCB-1248	12672-29-6	N.D.	5.76	17.3	mg/kg	400
01998	PCB-1254	11097-69-1	N.D.	1.73	8.90	mg/kg	400
01999	PCB-1260	11096-82-5	N.D.	5.76	17.3	mg/kg	400

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	2.0	9.8	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.65	3.3	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.65	3.3	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.65	3.3	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.65	3.3	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.65	3.3	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	1.3	3.3	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.65	3.3	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	3.3	9.8	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	1.3	3.3	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	3.3	9.8	mg/kg	5
01195	Pyrene	129-00-0	9.8	0.65	3.3	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.65	3.3	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.65	3.3	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	2.0	3.3	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.65	3.3	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.65	3.3	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	13.	39.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	3.3	9.8	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	1.3	3.3	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.65	3.3	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.65	3.3	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.65	3.3	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.65	3.3	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.65	3.3	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.65	3.3	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.65	3.3	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR100601

Lancaster Laboratories Sample No. SW 4581381

05-MET-120 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:06  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT120

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.65	3.3	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.65	3.3	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	1.3	3.3	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	3.3	9.8	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.65	3.3	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.65	3.3	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	1.3	3.3	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.65	3.3	mg/kg	5
03768	Fluorene	86-73-7	N.D.	0.65	3.3	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.65	3.3	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	1.3	3.3	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.65	3.3	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.65	3.3	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.65	3.3	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.65	3.3	mg/kg	5
03775	Phenanthrene	85-01-8	2.2 J	0.65	3.3	mg/kg	5
03776	Anthracene	120-12-7	0.89 J	0.65	3.3	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	1.3	3.3	mg/kg	5
03778	Fluoranthene	206-44-0	1.3 J	0.65	3.3	mg/kg	5
03779	Benzidine	92-87-5	N.D.	13.	39.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	1.3	3.3	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	8.1	0.65	3.3	mg/kg	5
03782	Chrysene	218-01-9	13.	0.65	3.3	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.0	6.5	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	6.3 J	1.3	6.5	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	1.3	3.3	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	3.2 J	0.65	3.3	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	0.86 J	0.65	3.3	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	5.5	0.65	3.3	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.5 J	0.65	3.3	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	2.7 J	0.65	3.3	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	3.4	0.65	3.3	mg/kg	5

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR100602



Lancaster Laboratories Sample No. SW 4581381

05-MET-120 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:06  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT120

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	3.2	16.	mg/kg	2465.48
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1.6	16.	mg/kg	2465.48
02020	t-Butyl alcohol	75-65-0	N.D.	65.	320.	mg/kg	2465.48
05444	Chloromethane	74-87-3	N.D.	6.5	16.	mg/kg	2465.48
05445	Vinyl Chloride	75-01-4	N.D.	3.2	16.	mg/kg	2465.48
05446	Bromomethane	74-83-9	N.D.	6.5	16.	mg/kg	2465.48
05447	Chloroethane	75-00-3	N.D.	6.5	16.	mg/kg	2465.48
05448	Trichlorofluoromethane	75-69-4	N.D.	6.5	16.	mg/kg	2465.48
05449	1,1-Dichloroethene	75-35-4	N.D.	3.2	16.	mg/kg	2465.48
05450	Methylene Chloride	75-09-2	N.D.	6.5	16.	mg/kg	2465.48
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	3.2	16.	mg/kg	2465.48
05452	1,1-Dichloroethane	75-34-3	N.D.	3.2	16.	mg/kg	2465.48
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	3.2	16.	mg/kg	2465.48
05455	Chloroform	67-66-3	N.D.	3.2	16.	mg/kg	2465.48
05457	1,1,1-Trichloroethane	71-55-6	N.D.	3.2	16.	mg/kg	2465.48
05458	Carbon Tetrachloride	56-23-5	N.D.	3.2	16.	mg/kg	2465.48
05460	Benzene	71-43-2	N.D.	1.6	16.	mg/kg	2465.48
05461	1,2-Dichloroethane	107-06-2	N.D.	3.2	16.	mg/kg	2465.48
05462	Trichloroethene	79-01-6	N.D.	3.2	16.	mg/kg	2465.48
05463	1,2-Dichloropropane	78-87-5	N.D.	3.2	16.	mg/kg	2465.48
05465	Bromodichloromethane	75-27-4	N.D.	3.2	16.	mg/kg	2465.48
05466	Toluene	108-88-3	N.D.	3.2	16.	mg/kg	2465.48
05467	1,1,2-Trichloroethane	79-00-5	N.D.	3.2	16.	mg/kg	2465.48
05468	Tetrachloroethene	127-18-4	N.D.	3.2	16.	mg/kg	2465.48
05470	Dibromochloromethane	124-48-1	N.D.	3.2	16.	mg/kg	2465.48
05472	Chlorobenzene	108-90-7	N.D.	3.2	16.	mg/kg	2465.48
05474	Ethylbenzene	100-41-4	N.D.	3.2	16.	mg/kg	2465.48
05478	Bromoform	75-25-2	N.D.	3.2	16.	mg/kg	2465.48
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	3.2	16.	mg/kg	2465.48
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	3.2	16.	mg/kg	2465.48
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	3.2	16.	mg/kg	2465.48
06301	Xylene (Total)	1330-20-7	N.D.	3.2	16.	mg/kg	2465.48
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	6.5	32.	mg/kg	2465.48
07586	Acrolein	107-02-8	N.D.	65.	320.	mg/kg	2465.48
07587	Acrylonitrile	107-13-1	N.D.	13.	65.	mg/kg	2465.48

\*=This limit was used in the evaluation of the final result

AR100603

Lancaster Laboratories Sample No. SW 4581381

05-MET-120 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 10:30 by [REDACTED] Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:06  
Discard: 10/29/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT120

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The GC/MS volatile analysis was performed according to the high level soil method due to the nature of the sample matrix. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 09:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06925	Thallium	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06936	Selenium	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06944	Antimony	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06949	Cadmium	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06951	Chromium	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06953	Copper	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06955	Lead	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06961	Nickel	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06966	Silver	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06972	Zinc	SW-846 6010B	1	08/13/2005 01:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR100604

Lancaster Laboratories Sample No. SW 4581381

05-MET-120 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:06

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT120

00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 17:09	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 12:21	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 12:08	[REDACTED]	400
04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 12:24	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/16/2005 03:24	[REDACTED]	2465.4 8
07584	PPL Volatiles	SW-846 8260B	1	08/16/2005 03:24	[REDACTED]	2465.4 8
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/12/2005 10:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 11:46	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 00:03	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581381  
Sample wt/vol: 5.07 (g/mL) g Lab File ID: HP07536.i/05aug15c.b/qg15s67.d  
Level: (low/med) MED Date Received: 08/10/05  
% Moisture: not dec. 24 Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 2465.  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581381  
Sample wt/vol: 10 (g/mL) g Lab File ID: oh0404.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 24 Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 5  
GPC Cleanup: N pH: Extraction: Sonc

CONCENTRATION UNITS:

Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.305	67	JAB
2.	Unknown Alkane	5.231	22	J
3.	Unknown	7.642	30	J
4.	Unknown	7.795	29	J
5.	Unknown Alkane	7.998	34	J
6.	Unknown	8.121	36	J
7.	Unknown	8.201	49	J
8.	Unknown	8.367	31	J
9.	Unknown Alkane	8.736	18	J
10.	Unknown Alkane	8.791	24	J
11.	Unknown	8.957	19	J
12.	Unknown	9.019	24	J
13.	Unknown Alkane	9.099	26	J
14.	Unknown Alkane	9.203	21	J
15.	Unknown Alkane	9.302	43	J
16.	Unknown	9.628	18	J
17.	Unknown	9.824	24	J
18.	Unknown	9.898	24	J
19.	Unknown Alkane	10.003	24	J
20.	Unknown Alkane	10.089	37	J
21.	Unknown	10.175	36	J
22.	Unknown Alkane	10.261	34	J
23.	Unknown Alkane	10.427	28	J
24.	Unknown Alkane	10.519	24	J
25.	Unknown Alkane	10.679	17	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100607



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4581382

05-MET-121 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 11:40

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:06  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT121

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0404 J	0.0036	0.135	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.28	2.67	mg/kg	1
06935	Arsenic	7440-38-2	16.8	0.894	2.67	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.28	2.67	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.09	2.67	mg/kg	1
06947	Beryllium	7440-41-7	0.313 J	0.0573	0.667	mg/kg	1
06949	Cadmium	7440-43-9	2.92	0.115	0.667	mg/kg	1
06951	Chromium	7440-47-3	18.2	0.707	2.00	mg/kg	1
06953	Copper	7440-50-8	46.7	0.400	1.33	mg/kg	1
06955	Lead	7439-92-1	25.2	1.04	2.67	mg/kg	1
06961	Nickel	7440-02-0	39.7	0.440	1.33	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.253	0.667	mg/kg	1
06972	Zinc	7440-66-6	216.	0.613	2.67	mg/kg	1
00111	Moisture	n.a.	27.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.67	mg/kg	1
05912	Phenols	n.a.	2.2 J	1.6	4.8	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.234	1.14	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.234	1.14	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.234	1.14	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.453	2.34	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	0.453	2.34	mg/kg	1000
01223	Endrin	72-20-8	N.D.	0.453	2.34	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	2.34	11.4	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.234	1.14	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.234	1.14	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.288	1.14	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.234	1.14	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	0.453	2.34	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	0.453	2.34	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	5.49	23.4	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	15.1	45.3	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.234	1.14	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	0.453	2.34	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.453	2.34	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	0.453	2.34	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR100608



Lancaster Laboratories Sample No. SW 4581382

05-MET-121 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 11:40

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:06  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT121

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	10.2	23.4	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	4.53	23.4	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	6.59	23.4	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	4.12	23.4	mg/kg	1000
01997	PCB-1248	12672-29-6	N.D.	15.1	45.3	mg/kg	1000
01998	PCB-1254	11097-69-1	N.D.	4.53	23.4	mg/kg	1000
01999	PCB-1260	11096-82-5	N.D.	15.1	45.3	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	10.	52.	mg/kg	5
01185	Phenol	108-95-2	N.D.	3.4	17.	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	3.4	17.	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	3.4	17.	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	3.4	17.	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	3.4	17.	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	6.9	17.	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	3.4	17.	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	17.	52.	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	6.9	17.	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	17.	52.	mg/kg	5
01195	Pyrene	129-00-0	6.7 J	3.4	17.	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	3.4	17.	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	3.4	17.	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	10.	17.	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	3.4	17.	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	3.4	17.	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	69.	210.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	17.	52.	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	6.9	17.	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	3.4	17.	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	3.4	17.	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	3.4	17.	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	3.4	17.	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	3.4	17.	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	3.4	17.	mg/kg	5
03759	Isophorone	78-59-1	N.D.	3.4	17.	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR100609

Lancaster Laboratories Sample No. SW 4581382

05-MET-121 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 11:40

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:06  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT121

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	3.4	17.	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	3.4	17.	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	6.9	17.	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	17.	52.	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	3.4	17.	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	3.4	17.	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	6.9	17.	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	3.4	17.	mg/kg	5
03768	Fluorene	86-73-7	N.D.	3.4	17.	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	3.4	17.	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	6.9	17.	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	3.4	17.	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	3.4	17.	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	3.4	17.	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	3.4	17.	mg/kg	5
03775	Phenanthrene	85-01-8	N.D.	3.4	17.	mg/kg	5
03776	Anthracene	120-12-7	N.D.	3.4	17.	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	6.9	17.	mg/kg	5
03778	Fluoranthene	206-44-0	N.D.	3.4	17.	mg/kg	5
03779	Benzidine	92-87-5	N.D.	69.	210.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	6.9	17.	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	5.8 J	3.4	17.	mg/kg	5
03782	Chrysene	218-01-9	8.0 J	3.4	17.	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	10.	34.	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	25. J	6.9	34.	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	6.9	17.	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	N.D.	3.4	17.	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	N.D.	3.4	17.	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	6.0 J	3.4	17.	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	3.4	17.	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	4.0 J	3.4	17.	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	7.6 J	3.4	17.	mg/kg	5

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4581382

05-MET-121 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 11:40

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:06  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT121

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.67	3.4	mg/kg	490.2
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.34	3.4	mg/kg	490.2
02020	t-Butyl alcohol	75-65-0	N.D.	13.	67.	mg/kg	490.2
05444	Chloromethane	74-87-3	N.D.	1.3	3.4	mg/kg	490.2
05445	Vinyl Chloride	75-01-4	N.D.	0.67	3.4	mg/kg	490.2
05446	Bromomethane	74-83-9	N.D.	1.3	3.4	mg/kg	490.2
05447	Chloroethane	75-00-3	N.D.	1.3	3.4	mg/kg	490.2
05448	Trichlorofluoromethane	75-69-4	N.D.	1.3	3.4	mg/kg	490.2
05449	1,1-Dichloroethene	75-35-4	N.D.	0.67	3.4	mg/kg	490.2
05450	Methylene Chloride	75-09-2	N.D.	1.3	3.4	mg/kg	490.2
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.67	3.4	mg/kg	490.2
05452	1,1-Dichloroethane	75-34-3	N.D.	0.67	3.4	mg/kg	490.2
05454	cis-1,2-Dichloroethene	156-59-2	3.5	0.67	3.4	mg/kg	490.2
05455	Chloroform	67-66-3	N.D.	0.67	3.4	mg/kg	490.2
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.67	3.4	mg/kg	490.2
05458	Carbon Tetrachloride	56-23-5	N.D.	0.67	3.4	mg/kg	490.2
05460	Benzene	71-43-2	N.D.	0.34	3.4	mg/kg	490.2
05461	1,2-Dichloroethane	107-06-2	N.D.	0.67	3.4	mg/kg	490.2
05462	Trichloroethene	79-01-6	7.4	0.67	3.4	mg/kg	490.2
05463	1,2-Dichloropropane	78-87-5	N.D.	0.67	3.4	mg/kg	490.2
05465	Bromodichloromethane	75-27-4	N.D.	0.67	3.4	mg/kg	490.2
05466	Toluene	108-88-3	3.1 J	0.67	3.4	mg/kg	490.2
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.67	3.4	mg/kg	490.2
05468	Tetrachloroethene	127-18-4	N.D.	0.67	3.4	mg/kg	490.2
05470	Dibromochloromethane	124-48-1	N.D.	0.67	3.4	mg/kg	490.2
05472	Chlorobenzene	108-90-7	N.D.	0.67	3.4	mg/kg	490.2
05474	Ethylbenzene	100-41-4	N.D.	0.67	3.4	mg/kg	490.2
05478	Bromoform	75-25-2	N.D.	0.67	3.4	mg/kg	490.2
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.67	3.4	mg/kg	490.2
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.67	3.4	mg/kg	490.2
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.67	3.4	mg/kg	490.2
06301	Xylene (Total)	1330-20-7	N.D.	0.67	3.4	mg/kg	490.2

\*=This limit was used in the evaluation of the final result

AR100611

Lancaster Laboratories Sample No. SW 4581382

05-MET-121 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 11:40

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:06  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT121

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	1.3	6.7	mg/kg	490.2
07586	Acrolein	107-02-8	N.D.	13.	67.	mg/kg	490.2
07587	Acrylonitrile	107-13-1	N.D.	2.7	13.	mg/kg	490.2

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 09:31	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4581382

05-MET-121 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/10/2005 11:40

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:06  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT121

06961	Nickel	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/13/2005 01:56	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:35	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 12:22	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 12:29	[REDACTED]	1000
04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 12:45	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/16/2005 03:47	[REDACTED]	490.2
07584	PPL Volatiles	SW-846 8260B	1	08/16/2005 03:47	[REDACTED]	490.2
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 11:47	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 00:04	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581382  
Sample wt/vol: 5.1 (g/mL) g Lab File ID: HP07536.i/05aug15c.b/qg15s68.d  
Level: (low/med) MED Date Received: 08/10/05  
% Moisture: not dec. 27 Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 490.2  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581382  
Sample wt/vol: 10 (g/mL) g Lab File ID: oh0405.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 27 Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 5  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.305	76	JAB
2.	!Unknown	8.201	43	J
3.	!Unknown	9.185	110	J
4.	!Unknown	9.320	110	J
5.	!Unknown	9.615	150	J
6.	!Unknown	9.812	110	J
7.	!Unknown	9.923	110	J
8.	!Unknown	9.972	79	J
9.	!Unknown	10.040	48	J
10.	!Unknown	10.101	94	J
11.	!Unknown	10.169	130	J
12.	!Unknown	10.224	130	J
13.	!Unknown	10.384	140	J
14.	!Unknown	10.476	150	J
15.	!Unknown	10.673	210	J
16.	!Unknown	10.808	120	J
17.	!Unknown	10.870	49	J
18.	!Unknown	10.919	170	J
19.	!Unknown	11.023	250	J
20.	!Unknown	11.171	69	J
21.	!Unknown	11.220	120	J
22.	!Unknown	11.294	160	J
23.	!Unknown	11.460	190	J
24.	!Unknown	11.651	130	J
25.	!Unknown	11.890	68	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100615

Lancaster Laboratories Sample No. SW 4581383

05-MET-096V Grab Soil Sample  
N(18.5-19)  
Former Metro Container Investigation

Collected: 08/10/2005 11:30

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:07  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT096

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0033	0.123	mg/kg	1
06925	Thallium	7440-28-0	1.87 J	1.20	2.49	mg/kg	1
06935	Arsenic	7440-38-2	1.08 J	0.835	2.49	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.20	2.49	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.02	2.49	mg/kg	1
06947	Beryllium	7440-41-7	1.97	0.0536	0.623	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.536	3.12	mg/kg	5
The quantitation limit for cadmium was increased due to the nature of the sample matrix.							
06951	Chromium	7440-47-3	256.	0.661	1.87	mg/kg	1
06953	Copper	7440-50-8	51.0	0.374	1.25	mg/kg	1
06955	Lead	7439-92-1	4.32	0.973	2.49	mg/kg	1
06961	Nickel	7440-02-0	109.	0.412	1.25	mg/kg	1
06966	Silver	7440-22-4	0.345 J	0.237	0.623	mg/kg	1
06972	Zinc	7440-66-6	80.4	0.574	2.49	mg/kg	1
00111	Moisture	n.a.	20.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.61	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000214	0.00105	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000214	0.00105	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000214	0.00105	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000416	0.00214	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000416	0.00214	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000416	0.00214	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00214	0.0105	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000214	0.00105	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000214	0.00105	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000264	0.00105	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000214	0.00105	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000416	0.00214	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000416	0.00214	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00504	0.0214	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0139	0.0416	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000214	0.00105	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000416	0.00214	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100616

Lancaster Laboratories Sample No. SW 4581383

05-MET-096V Grab Soil Sample  
N(18.5-19)  
Former Metro Container Investigation

Collected: 08/10/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:07  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT096

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000416	0.00214	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000416	0.00214	mg/kg	1
01993	PCB-1016	12674-11-2	N.D.	0.00932	0.0214	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00416	0.0214	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00605	0.0214	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00378	0.0214	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0139	0.0416	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00416	0.0214	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0139	0.0416	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.63	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.042	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.042	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.042	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.042	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.042	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.084	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.042	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.63	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.084	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.63	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.042	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.042	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.042	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.042	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.042	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.84	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.63	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.084	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.042	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.042	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.042	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.042	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.042	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.042	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.042	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.042	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.042	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100617

Lancaster Laboratories Sample No. SW 4581383

05-MET-096V Grab Soil Sample

N(18.5-19)

Former Metro Container Investigation

Collected: 08/10/2005 11:30

by █

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:07

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT096

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.084	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.63	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.042	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.042	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.084	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.042	0.21	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.042	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.042	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.084	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.042	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.042	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.042	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.042	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.042	0.21	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.042	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.084	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.042	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.84	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.084	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.042	0.21	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.042	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.42	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.27 J	0.084	0.42	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.084	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.042	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.042	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.042	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.042	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.042	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.042	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.98
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.98

\*=This limit was used in the evaluation of the final result

AR100618

Lancaster Laboratories Sample No. SW 4581383

05-MET-096V Grab Soil Sample  
N(18.5-19)  
Former Metro Container Investigation

Collected: 08/10/2005 11:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:07  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT096

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.025	0.12	mg/kg	0.98
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.98
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.98
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.98
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.98
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.98
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.98
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.98
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.98
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.98
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.98
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.98
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.98
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.98
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.98
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.98
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.98
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.98
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.98
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.98
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.98
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.98
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.98
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.98
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.98
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.98
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.98
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.98
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.98
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.98
07586	Acrolein	107-02-8	N.D.	0.025	0.12	mg/kg	0.98
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.025	mg/kg	0.98

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR100619

Lancaster Laboratories Sample No. SW 4581383

05-MET-096V Grab Soil Sample  
N(18.5-19)  
Former Metro Container Investigation

Collected: 08/10/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:07

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT096

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 09:33	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/13/2005 00:11	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 00:11	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/13/2005 00:11	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/13/2005 00:11	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 00:11	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/15/2005 19:05	[REDACTED]	5
06951	Chromium	SW-846 6010B	1	08/13/2005 00:11	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/13/2005 00:11	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/13/2005 00:11	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/13/2005 00:11	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/13/2005 00:11	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/13/2005 00:11	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 18:52	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 11:56	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/13/2005 03:10	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 13:06	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 18:17	[REDACTED]	0.98
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 18:17	[REDACTED]	0.98
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100620



**Lancaster Laboratories Sample No. SW 4581383****05-MET-096V Grab Soil Sample****N(18.5-19)****Former Metro Container Investigation**

Collected: 08/10/2005 11:30

by

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:07

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT096

06171 GC/MS - Field Preserved SW-846 5035

1 08/11/2005 11:49

1

MeOH

08389 GC/MS - LL Encore Prep SW-846 5035

1 08/12/2005 00:05

n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581383  
Sample wt/vol: 5.12 (g/mL) g Lab File ID: HP09193.i/05aug15a.b/xgl5s04.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. 21 Date Analyzed: 08/15/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.87	0.023	J
2.	Unknown siloxane	12.26	0.011	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100622

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581383  
Sample wt/vol: 30 (g/mL) g Lab File ID: oh0406.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 21 Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 8 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.450	.22	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	2.323	.14	JAB
3.	!Unknown	3.553	1.2	J
4.	!Unknown Carboxylic Acid	7.851	.35	J
5.10544-50-0	!Cyclic octaatomic sulfur	8.330	.24	J
6.	!Unknown Carboxylic Acid	8.496	.25	J
7.	!Unknown Amide	10.218	.61	J
8.	!Unknown	11.454	.17	J
9.				
10.				
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100623

Lancaster Laboratories Sample No. SW 4581384

05-MET-111 Grab Soil Sample

N(12.75-13.25)

Former Metro Container Investigation

Collected: 08/10/2005 07:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:07

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT111

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.174	0.0036	0.136	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.34	2.80	mg/kg	1
06935	Arsenic	7440-38-2	3.25	0.938	2.80	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.34	2.80	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.15	2.80	mg/kg	1
06947	Beryllium	7440-41-7	0.833	0.0602	0.700	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.120	0.700	mg/kg	1
06951	Chromium	7440-47-3	33.0	0.742	2.10	mg/kg	1
06953	Copper	7440-50-8	22.5	0.420	1.40	mg/kg	1
06955	Lead	7439-92-1	22.1	1.09	2.80	mg/kg	1
06961	Nickel	7440-02-0	19.1	0.462	1.40	mg/kg	1
06966	Silver	7440-22-4	0.312 J	0.266	0.700	mg/kg	1
06972	Zinc	7440-66-6	49.0	0.644	2.80	mg/kg	1
00111	Moisture	n.a.	29.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.25	0.69	mg/kg	1
05912	Phenols	n.a.	N.D.	1.7	4.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.240	1.17	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.240	1.17	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.240	1.17	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.467	2.40	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	0.467	2.40	mg/kg	1000
01223	Endrin	72-20-8	N.D.	0.467	2.40	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	2.40	11.7	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.240	1.17	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.240	1.17	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.297	1.17	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.240	1.17	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	0.467	2.40	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	0.467	2.40	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	5.66	24.0	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	15.6	46.7	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.240	1.17	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	0.467	2.40	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.467	2.40	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	0.467	2.40	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR100624

Lancaster Laboratories Sample No. SW 4581384

05-MET-111 Grab Soil Sample

N(12.75-13.25)

Former Metro Container Investigation

Collected: 08/10/2005 07:50

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:07

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT111

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	10.5	24.0	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	4.67	24.0	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	6.79	24.0	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	4.24	24.0	mg/kg	1000
01997	PCB-1248	12672-29-6	N.D.	15.6	46.7	mg/kg	1000
01998	PCB-1254	11097-69-1	N.D.	4.67	24.0	mg/kg	1000
01999	PCB-1260	11096-82-5	N.D.	15.6	46.7	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.4	7.1	mg/kg	1
01185	Phenol	108-95-2	0.62 J	0.47	2.4	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.47	2.4	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.47	2.4	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.47	2.4	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.47	2.4	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.94	2.4	mg/kg	1
01191	Acenaphthene	83-32-9	0.87 J	0.47	2.4	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	2.4	7.1	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.94	2.4	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	2.4	7.1	mg/kg	1
01195	Pyrene	129-00-0	19.	0.47	2.4	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.47	2.4	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.47	2.4	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.4	2.4	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.47	2.4	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.47	2.4	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	9.4	28.	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.4	7.1	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.94	2.4	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.47	2.4	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.47	2.4	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.47	2.4	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.47	2.4	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.47	2.4	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.47	2.4	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.47	2.4	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100625

Lancaster Laboratories Sample No. SW 4581384

05-MET-111 Grab Soil Sample

N(12.75-13.25)

Former Metro Container Investigation

Collected: 08/10/2005 07:50

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:07

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT111

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.47	2.4	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.47	2.4	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.94	2.4	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.4	7.1	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.47	2.4	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.47	2.4	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.94	2.4	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.47	2.4	mg/kg	1
03768	Fluorene	86-73-7	0.52 J	0.47	2.4	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.47	2.4	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.94	2.4	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.47	2.4	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.47	2.4	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.47	2.4	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.47	2.4	mg/kg	1
03775	Phenanthrene	85-01-8	1.2 J	0.47	2.4	mg/kg	1
03776	Anthracene	120-12-7	2.3 J	0.47	2.4	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.94	2.4	mg/kg	1
03778	Fluoranthene	206-44-0	1.2 J	0.47	2.4	mg/kg	1
03779	Benzidine	92-87-5	N.D.	9.4	28.	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.94	2.4	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	9.6	0.47	2.4	mg/kg	1
03782	Chrysene	218-01-9	15.	0.47	2.4	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.4	4.7	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.94	4.7	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.94	2.4	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	8.0	0.47	2.4	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	2.2 J	0.47	2.4	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	11.	0.47	2.4	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	7.1	0.47	2.4	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	8.9	0.47	2.4	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	15.	0.47	2.4	mg/kg	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.56	2.8	mg/kg	393.7

\*=This limit was used in the evaluation of the final result

AR100626



Lancaster Laboratories Sample No. SW 4581384

05-MET-111 Grab Soil Sample  
N(12.75-13.25)  
Former Metro Container Investigation

Collected: 08/10/2005 07:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:07  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT111

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.28	2.8	mg/kg	393.7
02020	t-Butyl alcohol	75-65-0	N.D.	11.	56.	mg/kg	393.7
05444	Chloromethane	74-87-3	N.D.	1.1	2.8	mg/kg	393.7
05445	Vinyl Chloride	75-01-4	N.D.	0.56	2.8	mg/kg	393.7
05446	Bromomethane	74-83-9	N.D.	1.1	2.8	mg/kg	393.7
05447	Chloroethane	75-00-3	N.D.	1.1	2.8	mg/kg	393.7
05448	Trichlorofluoromethane	75-69-4	N.D.	1.1	2.8	mg/kg	393.7
05449	1,1-Dichloroethene	75-35-4	N.D.	0.56	2.8	mg/kg	393.7
05450	Methylene Chloride	75-09-2	N.D.	1.1	2.8	mg/kg	393.7
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.56	2.8	mg/kg	393.7
05452	1,1-Dichloroethane	75-34-3	N.D.	0.56	2.8	mg/kg	393.7
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.56	2.8	mg/kg	393.7
05455	Chloroform	67-66-3	N.D.	0.56	2.8	mg/kg	393.7
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.56	2.8	mg/kg	393.7
05458	Carbon Tetrachloride	56-23-5	N.D.	0.56	2.8	mg/kg	393.7
05460	Benzene	71-43-2	N.D.	0.28	2.8	mg/kg	393.7
05461	1,2-Dichloroethane	107-06-2	N.D.	0.56	2.8	mg/kg	393.7
05462	Trichloroethene	79-01-6	N.D.	0.56	2.8	mg/kg	393.7
05463	1,2-Dichloropropane	78-87-5	N.D.	0.56	2.8	mg/kg	393.7
05465	Bromodichloromethane	75-27-4	N.D.	0.56	2.8	mg/kg	393.7
05466	Toluene	108-88-3	N.D.	0.56	2.8	mg/kg	393.7
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.56	2.8	mg/kg	393.7
05468	Tetrachloroethene	127-18-4	N.D.	0.56	2.8	mg/kg	393.7
05470	Dibromochloromethane	124-48-1	N.D.	0.56	2.8	mg/kg	393.7
05472	Chlorobenzene	108-90-7	N.D.	0.56	2.8	mg/kg	393.7
05474	Ethylbenzene	100-41-4	N.D.	0.56	2.8	mg/kg	393.7
05478	Bromoform	75-25-2	N.D.	0.56	2.8	mg/kg	393.7
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.56	2.8	mg/kg	393.7
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.56	2.8	mg/kg	393.7
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.56	2.8	mg/kg	393.7
06301	Xylene (Total)	1330-20-7	N.D.	0.56	2.8	mg/kg	393.7
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	1.1	5.6	mg/kg	393.7
07586	Acrolein	107-02-8	N.D.	11.	56.	mg/kg	393.7
07587	Acrylonitrile	107-13-1	N.D.	2.2	11.	mg/kg	393.7

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

\*=This limit was used in the evaluation of the final result

AR100627

Lancaster Laboratories Sample No. SW 4581384

05-MET-111 Grab Soil Sample  
N(12.75-13.25)  
Former Metro Container Investigation

Collected: 08/10/2005 07:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:07

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT111

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 09:44	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06925	Thallium	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06936	Selenium	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06944	Antimony	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06949	Cadmium	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06951	Chromium	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06953	Copper	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06955	Lead	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06961	Nickel	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06966	Silver	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06972	Zinc	SW-846 6010B	1	08/13/2005 02:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:36	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
05912	Phenols	SW846 9066	1	08/16/2005 12:01	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 12:49	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1000

\*=This limit was used in the evaluation of the final result

AR100628

Lancaster Laboratories Sample No. SW 4581384

05-MET-111 Grab Soil Sample

N(12.75-13.25)

Former Metro Container Investigation

Collected: 08/10/2005 07:50

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:07

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT111

04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 13:27	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/16/2005 04:10	[REDACTED]	393.7
07584	PPL Volatiles	SW-846 8260B	1	08/16/2005 04:10	[REDACTED]	393.7
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 12:04	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 00:06	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581384  
Sample wt/vol: 6.35 (g/mL) g Lab File ID: HP07536.i/05aug15c.b/qg15s69.d  
Level: (low/med) MED Date Received: 08/10/05  
% Moisture: not dec. 29 Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 393.7  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	4.13	14.	J
2.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100630

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4581384  
Sample wt/vol: 30 (g/mL) g Lab File ID: oh0407.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 29 Decanted: (Y/N)                      Date Extracted: 08/11/05  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	6.381	13	J
2.	!Unknown Alkane	6.953	12	J
3.	!Unknown Cycloalkane	7.045	11	J
4.	!Unknown Alkane	7.101	14	J
5.	!Unknown	7.205	13	J
6.	!Unknown Alkane	7.463	15	J
7.	!Unknown	7.555	22	J
8.	!Unknown Alkane	7.629	12	J
9.	!Unknown	7.672	24	J
10.	!Unknown Alkane	7.801	35	J
11.	!Unknown	7.974	15	J
12.	!Unknown	8.127	11	J
13.	!Unknown	8.189	9.9	J
14.	!Unknown Alkane	8.232	32	J
15.	!Unknown	8.373	10	J
16.	!Unknown	8.798	13	J
17.	!Unknown Alkane	8.964	10	J
18.	!Unknown	9.105	11	J
19.	!Unknown	9.634	11	J
20.	!Benz[a]anthracene, 1-methyl-	9.824	9.7	JX
21.	!Unknown	9.892	9.8	J
22.	!Unknown	10.089	33	J
23.	!Unknown Cycloalkane	10.175	42	J
24.	!4,5,11,12-Tetrahydrobenzo[A]	10.242	31	JX
25.	!Benzo[h]naphtho[1,2-c]cinnol	11.097	29	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100631

Lancaster Laboratories Sample No. SW 4581385

05-MET-107 Grab Soil Sample  
N(7.5-8)  
Former Metro Container Investigation

Collected: 08/10/2005 08:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:08  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT107

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0135 J	0.0032	0.121	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.19	2.48	mg/kg	1
06935	Arsenic	7440-38-2	53.2	0.831	2.48	mg/kg	1
06936	Selenium	7782-49-2	1.32 J	1.19	2.48	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.02	2.48	mg/kg	1
06947	Beryllium	7440-41-7	N.D.	0.0534	0.620	mg/kg	1
06949	Cadmium	7440-43-9	0.166 J	0.107	0.620	mg/kg	1
06951	Chromium	7440-47-3	32.1	0.658	1.86	mg/kg	1
06953	Copper	7440-50-8	73.4	0.372	1.24	mg/kg	1
06955	Lead	7439-92-1	31.5	0.968	2.48	mg/kg	1
06961	Nickel	7440-02-0	11.1	0.409	1.24	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.236	0.620	mg/kg	1
06972	Zinc	7440-66-6	36.6	0.571	2.48	mg/kg	1
00111	Moisture	n.a.	20.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.61	mg/kg	1
05912	Phenols	n.a.	7.3	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	2.66	13.0	mg/kg	5000
01219	Heptachlor	76-44-8	N.D.	2.66	13.0	mg/kg	5000
01220	Aldrin	309-00-2	N.D.	2.66	13.0	mg/kg	5000
01221	p,p-DDT	50-29-3	N.D.	5.17	26.6	mg/kg	5000
01222	Dieldrin	60-57-1	N.D.	5.17	26.6	mg/kg	5000
01223	Endrin	72-20-8	N.D.	5.17	26.6	mg/kg	5000
01859	Methoxychlor	72-43-5	N.D.	26.6	130.	mg/kg	5000
01981	Alpha BHC	319-84-6	N.D.	2.66	13.0	mg/kg	5000
01982	Beta BHC	319-85-7	N.D.	2.66	13.0	mg/kg	5000
01983	Delta BHC	319-86-8	N.D.	3.29	13.0	mg/kg	5000
01984	Heptachlor Epoxide	1024-57-3	N.D.	2.66	13.0	mg/kg	5000
01985	p,p-DDE	72-55-9	N.D.	5.17	26.6	mg/kg	5000
01986	p,p-DDD	72-54-8	N.D.	5.17	26.6	mg/kg	5000
01987	Chlordane	57-74-9	N.D.	62.7	266.	mg/kg	5000
01988	Toxaphene	8001-35-2	N.D.	172.	517.	mg/kg	5000
01989	Endosulfan I	959-98-8	N.D.	2.66	13.0	mg/kg	5000
01990	Endosulfan II	33213-65-9	N.D.	5.17	26.6	mg/kg	5000
01991	Endosulfan Sulfate	1031-07-8	N.D.	5.17	26.6	mg/kg	5000
01992	Endrin Aldehyde	7421-93-4	N.D.	5.17	26.6	mg/kg	5000

\*=This limit was used in the evaluation of the final result

AR100632



Lancaster Laboratories Sample No. SW 4581385

05-MET-107 Grab Soil Sample  
N(7.5-8)  
Former Metro Container Investigation

Collected: 08/10/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:08  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT107

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	116.	266.	mg/kg	5000
01994	PCB-1221	11104-28-2	N.D.	51.7	266.	mg/kg	5000
01995	PCB-1232	11141-16-5	N.D.	75.2	266.	mg/kg	5000
01996	PCB-1242	53469-21-9	N.D.	47.0	266.	mg/kg	5000
01997	PCB-1248	12672-29-6	N.D.	172.	517.	mg/kg	5000
01998	PCB-1254	11097-69-1	N.D.	51.7	266.	mg/kg	5000
01999	PCB-1260	11096-82-5	N.D.	172.	517.	mg/kg	5000

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	75.	380.	mg/kg	10
01185	Phenol	108-95-2	N.D.	25.	130.	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	25.	130.	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	25.	130.	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	25.	130.	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	25.	130.	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	50.	130.	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	25.	130.	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	130.	380.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	50.	130.	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	130.	380.	mg/kg	10
01195	Pyrene	129-00-0	1,200.	25.	130.	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	25.	130.	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	25.	130.	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	75.	130.	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	25.	130.	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	25.	130.	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	500.	1,500.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	130.	380.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	50.	130.	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	25.	130.	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	25.	130.	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	25.	130.	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	25.	130.	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	25.	130.	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	25.	130.	mg/kg	10
03759	Isophorone	78-59-1	N.D.	25.	130.	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR100633

Lancaster Laboratories Sample No. SW 4581385

05-MET-107 Grab Soil Sample  
N(7.5-8)  
Former Metro Container Investigation

Collected: 08/10/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:08  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT107

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	25.	130.	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	25.	130.	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	50.	130.	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	130.	380.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	25.	130.	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	25.	130.	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	50.	130.	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	25.	130.	mg/kg	10
03768	Fluorene	86-73-7	N.D.	25.	130.	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	25.	130.	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	50.	130.	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	25.	130.	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	25.	130.	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	25.	130.	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	25.	130.	mg/kg	10
03775	Phenanthrene	85-01-8	310.	25.	130.	mg/kg	10
03776	Anthracene	120-12-7	72. J	25.	130.	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	50.	130.	mg/kg	10
03778	Fluoranthene	206-44-0	120. J	25.	130.	mg/kg	10
03779	Benzidine	92-87-5	N.D.	500.	1,500.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	50.	130.	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	1,000.	25.	130.	mg/kg	10
03782	Chrysene	218-01-9	1,300.	25.	130.	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	75.	250.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	50.	250.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	50.	130.	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	370.	25.	130.	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	130.	25.	130.	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	990.	25.	130.	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	210.	25.	130.	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	330.	25.	130.	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	580.	25.	130.	mg/kg	10

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4581385

05-MET-107 Grab Soil Sample  
N(7.5-8)  
Former Metro Container Investigation

Collected: 08/10/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:08  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT107

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	1.2	6.2	mg/kg	992.06
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.62	6.2	mg/kg	992.06
02020	t-Butyl alcohol	75-65-0	N.D.	25.	120.	mg/kg	992.06
05444	Chloromethane	74-87-3	N.D.	2.5	6.2	mg/kg	992.06
05445	Vinyl Chloride	75-01-4	N.D.	1.2	6.2	mg/kg	992.06
05446	Bromomethane	74-83-9	N.D.	2.5	6.2	mg/kg	992.06
05447	Chloroethane	75-00-3	N.D.	2.5	6.2	mg/kg	992.06
05448	Trichlorofluoromethane	75-69-4	N.D.	2.5	6.2	mg/kg	992.06
05449	1,1-Dichloroethene	75-35-4	N.D.	1.2	6.2	mg/kg	992.06
05450	Methylene Chloride	75-09-2	N.D.	2.5	6.2	mg/kg	992.06
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	1.2	6.2	mg/kg	992.06
05452	1,1-Dichloroethane	75-34-3	N.D.	1.2	6.2	mg/kg	992.06
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	1.2	6.2	mg/kg	992.06
05455	Chloroform	67-66-3	N.D.	1.2	6.2	mg/kg	992.06
05457	1,1,1-Trichloroethane	71-55-6	N.D.	1.2	6.2	mg/kg	992.06
05458	Carbon Tetrachloride	56-23-5	N.D.	1.2	6.2	mg/kg	992.06
05460	Benzene	71-43-2	N.D.	0.62	6.2	mg/kg	992.06
05461	1,2-Dichloroethane	107-06-2	N.D.	1.2	6.2	mg/kg	992.06
05462	Trichloroethene	79-01-6	N.D.	1.2	6.2	mg/kg	992.06
05463	1,2-Dichloropropane	78-87-5	N.D.	1.2	6.2	mg/kg	992.06
05465	Bromodichloromethane	75-27-4	N.D.	1.2	6.2	mg/kg	992.06
05466	Toluene	108-88-3	N.D.	1.2	6.2	mg/kg	992.06
05467	1,1,2-Trichloroethane	79-00-5	N.D.	1.2	6.2	mg/kg	992.06
05468	Tetrachloroethene	127-18-4	N.D.	1.2	6.2	mg/kg	992.06
05470	Dibromochloromethane	124-48-1	N.D.	1.2	6.2	mg/kg	992.06
05472	Chlorobenzene	108-90-7	N.D.	1.2	6.2	mg/kg	992.06
05474	Ethylbenzene	100-41-4	N.D.	1.2	6.2	mg/kg	992.06
05478	Bromoform	75-25-2	N.D.	1.2	6.2	mg/kg	992.06
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.2	6.2	mg/kg	992.06
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.2	6.2	mg/kg	992.06
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.2	6.2	mg/kg	992.06
06301	Xylene (Total)	1330-20-7	1.4 J	1.2	6.2	mg/kg	992.06

\*=This limit was used in the evaluation of the final result

AR100635

Lancaster Laboratories Sample No. SW 4581385

05-MET-107 Grab Soil Sample  
N(7.5-8)  
Former Metro Container Investigation

Collected: 08/10/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:08

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT107

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.5	12.	mg/kg	992.06
07586	Acrolein	107-02-8	N.D.	25.	120.	mg/kg	992.06
07587	Acrylonitrile	107-13-1	N.D.	5.0	25.	mg/kg	992.06

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 09:46	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100636

Lancaster Laboratories Sample No. SW 4581385

05-MET-107 Grab Soil Sample  
N(7.5-8)  
Former Metro Container Investigation

Collected: 08/10/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:08  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

## MT107

06961	Nickel	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/13/2005 02:05	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 18:59	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 12:02	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 13:10	[REDACTED]	5000
04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 13:48	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/16/2005 22:39	[REDACTED]	992.06
07584	PPL Volatiles	SW-846 8260B	1	08/16/2005 22:39	[REDACTED]	992.06
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 12:06	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 00:07	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581385  
Sample wt/vol: 5.04 (g/mL) g Lab File ID: HP07536.i/05aug16a.b/qg16s31.d  
Level: (low/med) MED Date Received: 08/10/05  
% Moisture: not dec. 20 Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 992.1  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.07	11.	J
2. 75-15-0	Carbon disulfide	4.48	15.	J
3.				
4.				
5.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100638



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
! \_\_\_\_\_!  
! MT107 !  
! \_\_\_\_\_!

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581385  
Sample wt/vol: 5 (g/mL) g Lab File ID: oh0408.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 20 Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: Extraction: Sonc

CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	7.604	420	J
2.	!Anthracene, 1-methyl-	7.746	500	JX
3.	!Anthracene, 2-methyl-	7.850	520	JX
4.	!Unknown Alkane	7.992	470	J
5.	!Phenanthrene, 4,5-dimethyl-	8.121	430	JX
6.	!Phenanthrene, 2,3-dimethyl-	8.201	1100	JX
7.	!Unknown	8.828	310	J
8.3353-12-6	!Pyrene, 4-methyl-	8.933	460	J
9.	!Unknown Alkane	9.197	270	J
10.	!Benzo[b]naphtho[2,3-d]thioph	9.621	280	JX
11.	!Benz[a]anthracene, 8-methyl-	9.818	1000	JX
12.	!Benz[a]anthracene, 6-methyl-	9.923	380	JX
13.	!Unknown Alkane	9.996	280	J
14.	!Benzo[c]phenanthrene, 5,8-di	10.107	2000	JX
15.	!Unknown Alkane	10.261	1900	J
16.	!Unknown	10.402	590	J
17.	!Unknown Alkane	10.513	2000	J
18.	!Unknown	10.673	1200	J
19.	!Benz[j]aceanthrylene, 3-meth	10.814	1100	JX
20.	!Unknown	10.925	1800	J
21.	!Unknown	11.085	1300	J
22.	!Unknown	11.226	410	J
23.	!Unknown Alkane	11.269	980	J
24.	!Unknown Alkane	11.558	470	J
25.	!Unknown	11.884	560	J
26.	!	!	!	!
27.	!	!	!	!
28.	!	!	!	!
29.	!	!	!	!
30.	!	!	!	!

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100639

Lancaster Laboratories Sample No. SW 4581386

05-MET-101 Grab Soil Sample  
N(12-12.5)  
Former Metro Container Investigation

Collected: 08/10/2005 09:35

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:08  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT101

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0615 J	0.0038	0.143	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.41	2.94	mg/kg	1
06935	Arsenic	7440-38-2	11.6	0.983	2.94	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.41	2.94	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.20	2.94	mg/kg	1
06947	Beryllium	7440-41-7	0.693 J	0.0631	0.734	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.126	0.734	mg/kg	1
06951	Chromium	7440-47-3	28.7	0.778	2.20	mg/kg	1
06953	Copper	7440-50-8	12.4	0.440	1.47	mg/kg	1
06955	Lead	7439-92-1	40.0	1.14	2.94	mg/kg	1
06961	Nickel	7440-02-0	13.5	0.484	1.47	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.279	0.734	mg/kg	1
06972	Zinc	7440-66-6	53.3	0.675	2.94	mg/kg	1
00111	Moisture	n.a.	33.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.26	0.73	mg/kg	1
05912	Phenols	n.a.	1.9 J	1.8	5.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.102	0.497	mg/kg	400
01219	Heptachlor	76-44-8	N.D.	0.102	0.497	mg/kg	400
01220	Aldrin	309-00-2	N.D.	0.102	0.497	mg/kg	400
01221	p,p-DDT	50-29-3	N.D.	0.198	1.02	mg/kg	400
01222	Dieldrin	60-57-1	N.D.	0.198	1.02	mg/kg	400
01223	Endrin	72-20-8	N.D.	0.198	1.02	mg/kg	400
01859	Methoxychlor	72-43-5	N.D.	1.02	4.97	mg/kg	400
01981	Alpha BHC	319-84-6	N.D.	0.102	0.497	mg/kg	400
01982	Beta BHC	319-85-7	N.D.	0.102	0.497	mg/kg	400
01983	Delta BHC	319-86-8	N.D.	0.126	0.497	mg/kg	400
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.102	0.497	mg/kg	400
01985	p,p-DDE	72-55-9	N.D.	0.198	1.02	mg/kg	400
01986	p,p-DDD	72-54-8	N.D.	0.198	1.02	mg/kg	400
01987	Chlordane	57-74-9	N.D.	2.40	10.2	mg/kg	400
01988	Toxaphene	8001-35-2	N.D.	6.59	19.8	mg/kg	400
01989	Endosulfan I	959-98-8	N.D.	0.102	0.497	mg/kg	400
01990	Endosulfan II	33213-65-9	N.D.	0.198	1.02	mg/kg	400
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.198	1.02	mg/kg	400
01992	Endrin Aldehyde	7421-93-4	N.D.	0.198	1.02	mg/kg	400

\*=This limit was used in the evaluation of the final result

AR100640

Lancaster Laboratories Sample No. SW 4581386

05-MET-101 Grab Soil Sample  
N(12-12.5)  
Former Metro Container Investigation

Collected: 08/10/2005 09:35

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:08  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT101

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	4.43	10.2	mg/kg	400
01994	PCB-1221	11104-28-2	N.D.	1.98	10.2	mg/kg	400
01995	PCB-1232	11141-16-5	N.D.	2.87	10.2	mg/kg	400
01996	PCB-1242	53469-21-9	N.D.	1.80	10.2	mg/kg	400
01997	PCB-1248	12672-29-6	N.D.	6.59	19.8	mg/kg	400
01998	PCB-1254	11097-69-1	N.D.	1.98	10.2	mg/kg	400
01999	PCB-1260	11096-82-5	N.D.	6.59	19.8	mg/kg	400

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.75	3.7	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.25	1.2	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.25	1.2	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.25	1.2	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.25	1.2	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.25	1.2	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.50	1.2	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.25	1.2	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	1.2	3.7	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.50	1.2	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	1.2	3.7	mg/kg	1
01195	Pyrene	129-00-0	6.5	0.25	1.2	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.25	1.2	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.25	1.2	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.75	1.2	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.25	1.2	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.25	1.2	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	5.0	15.	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.2	3.7	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.50	1.2	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.25	1.2	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.25	1.2	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.25	1.2	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.25	1.2	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.25	1.2	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.25	1.2	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.25	1.2	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100641

Lancaster Laboratories Sample No. SW 4581386

05-MET-101 Grab Soil Sample  
N(12-12.5)  
Former Metro Container Investigation

Collected: 08/10/2005 09:35

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:08  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT101

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.25	1.2	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.25	1.2	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.50	1.2	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.2	3.7	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.25	1.2	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.25	1.2	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.50	1.2	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.25	1.2	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.25	1.2	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.25	1.2	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.50	1.2	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.25	1.2	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.25	1.2	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.25	1.2	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.25	1.2	mg/kg	1
03775	Phenanthrene	85-01-8	0.36 J	0.25	1.2	mg/kg	1
03776	Anthracene	120-12-7	0.89 J	0.25	1.2	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.50	1.2	mg/kg	1
03778	Fluoranthene	206-44-0	0.57 J	0.25	1.2	mg/kg	1
03779	Benzidine	92-87-5	N.D.	5.0	15.	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.50	1.2	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.8	0.25	1.2	mg/kg	1
03782	Chrysene	218-01-9	8.2	0.25	1.2	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.75	2.5	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.50	2.5	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.50	1.2	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	3.2	0.25	1.2	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.50 J	0.25	1.2	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.3	0.25	1.2	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	2.1	0.25	1.2	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	2.2	0.25	1.2	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	5.0	0.25	1.2	mg/kg	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.54	2.7	mg/kg	361.79

\*=This limit was used in the evaluation of the final result

AR100642

Lancaster Laboratories Sample No. SW 4581386

05-MET-101 Grab Soil Sample  
N(12-12.5)  
Former Metro Container Investigation

Collected: 08/10/2005 09:35

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:08  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT101

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.27	2.7	mg/kg	361.79
02020	t-Butyl alcohol	75-65-0	N.D.	11.	54.	mg/kg	361.79
05444	Chloromethane	74-87-3	N.D.	1.1	2.7	mg/kg	361.79
05445	Vinyl Chloride	75-01-4	N.D.	0.54	2.7	mg/kg	361.79
05446	Bromomethane	74-83-9	N.D.	1.1	2.7	mg/kg	361.79
05447	Chloroethane	75-00-3	N.D.	1.1	2.7	mg/kg	361.79
05448	Trichlorofluoromethane	75-69-4	N.D.	1.1	2.7	mg/kg	361.79
05449	1,1-Dichloroethene	75-35-4	N.D.	0.54	2.7	mg/kg	361.79
05450	Methylene Chloride	75-09-2	N.D.	1.1	2.7	mg/kg	361.79
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.54	2.7	mg/kg	361.79
05452	1,1-Dichloroethane	75-34-3	N.D.	0.54	2.7	mg/kg	361.79
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.54	2.7	mg/kg	361.79
05455	Chloroform	67-66-3	N.D.	0.54	2.7	mg/kg	361.79
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.54	2.7	mg/kg	361.79
05458	Carbon Tetrachloride	56-23-5	N.D.	0.54	2.7	mg/kg	361.79
05460	Benzene	71-43-2	0.30 J	0.27	2.7	mg/kg	361.79
05461	1,2-Dichloroethane	107-06-2	N.D.	0.54	2.7	mg/kg	361.79
05462	Trichloroethene	79-01-6	N.D.	0.54	2.7	mg/kg	361.79
05463	1,2-Dichloropropane	78-87-5	N.D.	0.54	2.7	mg/kg	361.79
05465	Bromodichloromethane	75-27-4	N.D.	0.54	2.7	mg/kg	361.79
05466	Toluene	108-88-3	N.D.	0.54	2.7	mg/kg	361.79
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.54	2.7	mg/kg	361.79
05468	Tetrachloroethene	127-18-4	N.D.	0.54	2.7	mg/kg	361.79
05470	Dibromochloromethane	124-48-1	N.D.	0.54	2.7	mg/kg	361.79
05472	Chlorobenzene	108-90-7	N.D.	0.54	2.7	mg/kg	361.79
05474	Ethylbenzene	100-41-4	N.D.	0.54	2.7	mg/kg	361.79
05478	Bromoform	75-25-2	N.D.	0.54	2.7	mg/kg	361.79
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.54	2.7	mg/kg	361.79
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.54	2.7	mg/kg	361.79
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.54	2.7	mg/kg	361.79
06301	Xylene (Total)	1330-20-7	N.D.	0.54	2.7	mg/kg	361.79
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	1.1	5.4	mg/kg	361.79
07586	Acrolein	107-02-8	N.D.	11.	54.	mg/kg	361.79
07587	Acrylonitrile	107-13-1	N.D.	2.2	11.	mg/kg	361.79

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

\*=This limit was used in the evaluation of the final result

AR100643

Lancaster Laboratories Sample No. SW 4581386

05-MET-101 Grab Soil Sample  
N(12-12.5)  
Former Metro Container Investigation

Collected: 08/10/2005 09:35

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:08

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT101

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 09:47	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06925	Thallium	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06936	Selenium	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06944	Antimony	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06949	Cadmium	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06951	Chromium	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06953	Copper	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06955	Lead	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06961	Nickel	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06966	Silver	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06972	Zinc	SW-846 6010B	1	08/13/2005 02:10	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
05912	Phenols	SW846 9066	1	08/16/2005 12:04	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 13:36	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	400

\*=This limit was used in the evaluation of the final result

AR100644



Lancaster Laboratories Sample No. SW 4581386

05-MET-101 Grab Soil Sample  
N(12-12.5)  
Former Metro Container Investigation

Collected: 08/10/2005 09:35

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:08

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT101

04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 14:10	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/16/2005 23:02	[REDACTED]	361.79
07584	PPL Volatiles	SW-846 8260B	1	08/16/2005 23:02	[REDACTED]	361.79
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 12:07	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 00:08	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581386  
Sample wt/vol: 6.91 (g/mL) g Lab File ID: HP07536.i/05aug16a.b/qg16s32.d  
Level: (low/med) MED Date Received: 08/10/05  
% Moisture: not dec. 33 Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 361.8  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	4.15	360.	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100646

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4581386  
Sample wt/vol: 30 (g/mL) g Lab File ID: oh0409.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 33 Decanted: (Y/N)                      Date Extracted: 08/11/05  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.311	30	JAB
2.	Unknown Alkane	6.953	5.9	J
3.	Unknown Cycloalkane	7.574	8.9	J
4.	Unknown	7.666	5.9	J
5.	Unknown Cycloalkane	7.931	6.4	J
6.	Unknown Alkane	7.998	6.0	J
7.	Unknown	8.041	9.0	J
8.	Unknown	8.121	6.3	J
9.	Unknown	8.207	15	J
10.	Unknown	8.269	9.0	J
11.	Unknown	8.588	3.3	J
12.	Unknown	8.797	4.3	J
13.	Unknown Alkane	8.957	4.9	J
14.	Unknown	9.105	5.2	J
15.	Unknown	9.191	4.6	J
16.	Unknown	9.302	4.5	J
17.	Unknown	9.634	4.8	J
18.	Unknown	9.787	4.9	J
19.	Unknown	9.880	4.4	J
20.54986-63-9	Benzo[c]phenanthrene, 5,8-di	10.113	28	JX
21.	Unknown Alkane	10.261	23	J
22.	Perylene, 3-methyl-	10.827	17	JX
23.	Unknown	10.931	13	J
24.	Unknown	11.085	20	J
25.	Unknown	11.939	12	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100647



# Analysis Report

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Page 1 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4581387

05-MET-095 Grab Soil Sample  
N(12.5-13)  
Former Metro Container Investigation

Collected: 08/10/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:09  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT095

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0328 J	0.0036	0.136	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.31	2.74	mg/kg	1
06935	Arsenic	7440-38-2	6.30	0.918	2.74	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.31	2.74	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.12	2.74	mg/kg	1
06947	Beryllium	7440-41-7	0.620 J	0.0589	0.685	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.118	0.685	mg/kg	1
06951	Chromium	7440-47-3	34.1	0.726	2.05	mg/kg	1
06953	Copper	7440-50-8	15.3	0.411	1.37	mg/kg	1
06955	Lead	7439-92-1	18.7	1.07	2.74	mg/kg	1
06961	Nickel	7440-02-0	13.4	0.452	1.37	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.260	0.685	mg/kg	1
06972	Zinc	7440-66-6	62.9	0.630	2.74	mg/kg	1
00111	Moisture	n.a.	27.7	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.25	0.68	mg/kg	1
05912	Phenols	n.a.	N.D.	1.7	4.8	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0470	0.230	mg/kg	200
01219	Heptachlor	76-44-8	N.D.	0.0470	0.230	mg/kg	200
01220	Aldrin	309-00-2	N.D.	0.0470	0.230	mg/kg	200
01221	p,p-DDT	50-29-3	N.D.	0.0913	0.470	mg/kg	200
01222	Dieldrin	60-57-1	N.D.	0.0913	0.470	mg/kg	200
01223	Endrin	72-20-8	N.D.	0.0913	0.470	mg/kg	200
01859	Methoxychlor	72-43-5	N.D.	0.470	2.30	mg/kg	200
01981	Alpha BHC	319-84-6	N.D.	0.0470	0.230	mg/kg	200
01982	Beta BHC	319-85-7	N.D.	0.0470	0.230	mg/kg	200
01983	Delta BHC	319-86-8	N.D.	0.0581	0.230	mg/kg	200
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0470	0.230	mg/kg	200
01985	p,p-DDE	72-55-9	N.D.	0.0913	0.470	mg/kg	200
01986	p,p-DDD	72-54-8	N.D.	0.0913	0.470	mg/kg	200
01987	Chlordane	57-74-9	N.D.	1.11	4.70	mg/kg	200
01988	Toxaphene	8001-35-2	N.D.	3.04	9.13	mg/kg	200
01989	Endosulfan I	959-98-8	N.D.	0.0470	0.230	mg/kg	200
01990	Endosulfan II	33213-65-9	N.D.	0.0913	0.470	mg/kg	200
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0913	0.470	mg/kg	200
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0913	0.470	mg/kg	200

\*=This limit was used in the evaluation of the final result

AR100648

Lancaster Laboratories Sample No. SW 4581387

05-MET-095 Grab Soil Sample  
N(12.5-13)  
Former Metro Container Investigation

Collected: 08/10/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:09  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT095

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	2.05	4.70	mg/kg	200
01994	PCB-1221	11104-28-2	N.D.	0.913	4.70	mg/kg	200
01995	PCB-1232	11141-16-5	N.D.	1.33	4.70	mg/kg	200
01996	PCB-1242	53469-21-9	N.D.	0.830	4.70	mg/kg	200
01997	PCB-1248	12672-29-6	N.D.	3.04	9.13	mg/kg	200
01998	PCB-1254	11097-69-1	N.D.	0.913	4.70	mg/kg	200
01999	PCB-1260	11096-82-5	N.D.	3.04	9.13	mg/kg	200

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.69	3.5	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.23	1.2	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.23	1.2	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.23	1.2	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.23	1.2	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.23	1.2	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.46	1.2	mg/kg	5
01191	Acenaphthene	83-32-9	0.26 J	0.23	1.2	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.2	3.5	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.46	1.2	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.2	3.5	mg/kg	5
01195	Pyrene	129-00-0	5.5	0.23	1.2	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.23	1.2	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.23	1.2	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.69	1.2	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.23	1.2	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.23	1.2	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.6	14.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.2	3.5	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.46	1.2	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.23	1.2	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.23	1.2	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.23	1.2	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.23	1.2	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.23	1.2	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.23	1.2	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.23	1.2	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR100649

Lancaster Laboratories Sample No. SW 4581387

05-MET-095 Grab Soil Sample  
N(12.5-13)  
Former Metro Container Investigation

Collected: 08/10/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:09  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT095

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.23	1.2	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.23	1.2	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.46	1.2	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.2	3.5	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.23	1.2	mg/kg	5
03765	Acenaphthylene	208-96-8	0.38 J	0.23	1.2	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.46	1.2	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.23	1.2	mg/kg	5
03768	Fluorene	86-73-7	0.36 J	0.23	1.2	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.23	1.2	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.46	1.2	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.23	1.2	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.23	1.2	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.23	1.2	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.23	1.2	mg/kg	5
03775	Phenanthrene	85-01-8	1.2	0.23	1.2	mg/kg	5
03776	Anthracene	120-12-7	0.80 J	0.23	1.2	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.46	1.2	mg/kg	5
03778	Fluoranthene	206-44-0	4.6	0.23	1.2	mg/kg	5
03779	Benzidine	92-87-5	N.D.	4.6	14.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.46	1.2	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	9.0	0.23	1.2	mg/kg	5
03782	Chrysene	218-01-9	7.7	0.23	1.2	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.69	2.3	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.46	2.3	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.46	1.2	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	11.	0.23	1.2	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	3.5	0.23	1.2	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	11.	0.23	1.2	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	5.6	0.23	1.2	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	5.2	0.23	1.2	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	7.9	0.23	1.2	mg/kg	5

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result



Lancaster Laboratories Sample No. SW 4581387

05-MET-095 Grab Soil Sample  
N(12.5-13)  
Former Metro Container Investigation

Collected: 08/10/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:09  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT095

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.13
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.13
02020	t-Butyl alcohol	75-65-0	N.D.	0.031	0.16	mg/kg	1.13
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.13
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.13
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.13
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.13
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.13
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.13
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.008	mg/kg	1.13
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.13
05452	1,1-Dichloroethane	75-34-3	0.002 J	0.002	0.008	mg/kg	1.13
05454	cis-1,2-Dichloroethene	156-59-2	0.002 J	0.002	0.008	mg/kg	1.13
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.13
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.13
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.13
05460	Benzene	71-43-2	N.D.	0.0008	0.008	mg/kg	1.13
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.13
05462	Trichloroethene	79-01-6	N.D.	0.002	0.008	mg/kg	1.13
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.13
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.13
05466	Toluene	108-88-3	N.D.	0.002	0.008	mg/kg	1.13
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.13
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.008	mg/kg	1.13
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.13
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	1.13
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.008	mg/kg	1.13
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.13
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.13
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.13
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.13
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.008	mg/kg	1.13
07586	Acrolein	107-02-8	N.D.	0.031	0.16	mg/kg	1.13
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.031	mg/kg	1.13

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4581387

05-MET-095 Grab Soil Sample  
N(12.5-13)  
Former Metro Container Investigation

Collected: 08/10/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:09

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT095

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 09:48	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/13/2005 02:15	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:01	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 12:05	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 13:56	[REDACTED]	200
04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 14:31	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 18:40	[REDACTED]	1.13
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 18:40	[REDACTED]	1.13
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100652

Lancaster Laboratories Sample No. SW 4581387

05-MET-095 Grab Soil Sample

N(12.5-13)

Former Metro Container Investigation

Collected: 08/10/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:09

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT095

05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 12:08	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 00:09	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581387  
Sample wt/vol: 4.41 (g/mL) g Lab File ID: HP09193.i/05aug15a.b/xg15s05.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. 28 Date Analyzed: 08/15/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.94	1.1	J
2. 75-15-0	Carbon disulfide	3.88	0.026	J
3.	Unknown siloxane	12.26	0.018	J
4.				
5.				
6.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100654

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4581387  
Sample wt/vol: 30 (g/mL) g Lab File ID: oh0410.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 28 Decanted: (Y/N)                      Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 5  
GPC Cleanup: N pH:                      Extraction: Sonic  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.311	25	JAB
2.	11H-Benzo[a]fluorene	8.779	2.0	JX
3.	Unknown	8.890	1.6	J
4.	Unknown	9.566	1.9	J
5.	Benzo[b]naphtho[2,3-d]thioph	9.621	2.2	JX
6.	Chrysene, 3-methyl-	9.818	5.6	JX
7.	Unknown	9.892	4.7	J
8.	Benzo[c]phenanthrene, 5,8-di	10.144	5.2	JX
9.	Benz[a]anthracene, 7,12-dime	10.175	3.0	JX
10.	Benz[a]anthracene, 1,12-dime	10.224	5.9	JX
11.	Benzo[a]pyrene	10.402	2.2	JX
12.	Unknown	10.507	2.6	J
13.	Benz[e]acephenanthrylene	10.537	6.1	JX
14.	13H-Dibenzo[a,h]fluorene	10.765	5.0	JX
15.	Unknown	10.820	7.5	J
16.	Unknown	10.937	5.5	J
17.	Unknown	11.029	2.2	J
18.	Unknown	11.091	9.9	J
19.	Unknown	11.251	3.8	J
20.	Benzo[b]triphenylene	11.312	2.3	JX
21.	Unknown	11.896	2.0	J
22.	Unknown	11.970	2.6	J
23.	Unknown	12.050	3.6	J
24.	3,4:8,9-Dibenzopyrene	12.726	2.3	JX
25.	Unknown	13.157	2.7	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*This limit was used in the evaluation of the final result

AR100655

Lancaster Laboratories Sample No. SW 4581388

05-MET-096 Grab Soil Sample  
N(8.75-9.25)  
Former Metro Container Investigation

Collected: 08/10/2005 11:15

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:09  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT-96

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0329 J	0.0034	0.129	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.25	2.61	mg/kg	1
06935	Arsenic	7440-38-2	2.88	0.874	2.61	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.25	2.61	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.07	2.61	mg/kg	1
06947	Beryllium	7440-41-7	0.335 J	0.0561	0.652	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.112	0.652	mg/kg	1
06951	Chromium	7440-47-3	15.7	0.692	1.96	mg/kg	1
06953	Copper	7440-50-8	7.80	0.391	1.30	mg/kg	1
06955	Lead	7439-92-1	18.2	1.02	2.61	mg/kg	1
06961	Nickel	7440-02-0	8.05	0.431	1.30	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.248	0.652	mg/kg	1
06972	Zinc	7440-66-6	30.4	0.600	2.61	mg/kg	1
00111	Moisture	n.a.	25.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.66	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.7	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0457	0.223	mg/kg	200
01219	Heptachlor	76-44-8	N.D.	0.0457	0.223	mg/kg	200
01220	Aldrin	309-00-2	N.D.	0.0457	0.223	mg/kg	200
01221	p,p-DDT	50-29-3	N.D.	0.0887	0.457	mg/kg	200
01222	Dieldrin	60-57-1	N.D.	0.0887	0.457	mg/kg	200
01223	Endrin	72-20-8	N.D.	0.0887	0.457	mg/kg	200
01859	Methoxychlor	72-43-5	N.D.	0.457	2.23	mg/kg	200
01981	Alpha BHC	319-84-6	N.D.	0.0457	0.223	mg/kg	200
01982	Beta BHC	319-85-7	N.D.	0.0457	0.223	mg/kg	200
01983	Delta BHC	319-86-8	N.D.	0.0565	0.223	mg/kg	200
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0457	0.223	mg/kg	200
01985	p,p-DDE	72-55-9	N.D.	0.0887	0.457	mg/kg	200
01986	p,p-DDD	72-54-8	N.D.	0.0887	0.457	mg/kg	200
01987	Chlordane	57-74-9	N.D.	1.08	4.57	mg/kg	200
01988	Toxaphene	8001-35-2	N.D.	2.96	8.87	mg/kg	200
01989	Endosulfan I	959-98-8	N.D.	0.0457	0.223	mg/kg	200
01990	Endosulfan II	33213-65-9	N.D.	0.0887	0.457	mg/kg	200
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0887	0.457	mg/kg	200
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0887	0.457	mg/kg	200

\*=This limit was used in the evaluation of the final result

AR100656



Lancaster Laboratories Sample No. SW 4581388

05-MET-096 Grab Soil Sample  
N(8.75-9.25)  
Former Metro Container Investigation

Collected: 08/10/2005 11:15

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:09  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT-96

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	1.99	4.57	mg/kg	200
01994	PCB-1221	11104-28-2	N.D.	0.887	4.57	mg/kg	200
01995	PCB-1232	11141-16-5	N.D.	1.29	4.57	mg/kg	200
01996	PCB-1242	53469-21-9	N.D.	0.806	4.57	mg/kg	200
01997	PCB-1248	12672-29-6	N.D.	2.96	8.87	mg/kg	200
01998	PCB-1254	11097-69-1	N.D.	0.887	4.57	mg/kg	200
01999	PCB-1260	11096-82-5	N.D.	2.96	8.87	mg/kg	200

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.3	6.7	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.45	2.2	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.45	2.2	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.45	2.2	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.45	2.2	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.45	2.2	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.90	2.2	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	0.45	2.2	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.2	6.7	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.90	2.2	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.2	6.7	mg/kg	10
01195	Pyrene	129-00-0	7.7	0.45	2.2	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.45	2.2	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.45	2.2	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.3	2.2	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.45	2.2	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.45	2.2	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	9.0	27.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.2	6.7	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.90	2.2	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.45	2.2	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.45	2.2	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.45	2.2	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.45	2.2	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.45	2.2	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.45	2.2	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.45	2.2	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR100657

Lancaster Laboratories Sample No. SW 4581388

05-MET-096 Grab Soil Sample  
N(8.75-9.25)  
Former Metro Container Investigation

Collected: 08/10/2005 11:15

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:09  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT-96

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.45	2.2	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	0.45	2.2	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.90	2.2	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.2	6.7	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.45	2.2	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.45	2.2	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.90	2.2	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.45	2.2	mg/kg	10
03768	Fluorene	86-73-7	N.D.	0.45	2.2	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.45	2.2	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.90	2.2	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.45	2.2	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.45	2.2	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.45	2.2	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.45	2.2	mg/kg	10
03775	Phenanthrene	85-01-8	1.2 J	0.45	2.2	mg/kg	10
03776	Anthracene	120-12-7	0.85 J	0.45	2.2	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.90	2.2	mg/kg	10
03778	Fluoranthene	206-44-0	0.90 J	0.45	2.2	mg/kg	10
03779	Benzidine	92-87-5	N.D.	9.0	27.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.90	2.2	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	6.2	0.45	2.2	mg/kg	10
03782	Chrysene	218-01-9	8.0	0.45	2.2	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.3	4.5	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.90	4.5	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.90	2.2	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	4.8	0.45	2.2	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	0.96 J	0.45	2.2	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	9.4	0.45	2.2	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	5.4	0.45	2.2	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	6.9	0.45	2.2	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	15.	0.45	2.2	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4581388

05-MET-096 Grab Soil Sample  
N(8.75-9.25)  
Former Metro Container Investigation

Collected: 08/10/2005 11:15

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:09  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT-96

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.50	2.5	mg/kg	373.69
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.25	2.5	mg/kg	373.69
02020	t-Butyl alcohol	75-65-0	N.D.	10.	50.	mg/kg	373.69
05444	Chloromethane	74-87-3	N.D.	1.0	2.5	mg/kg	373.69
05445	Vinyl Chloride	75-01-4	N.D.	0.50	2.5	mg/kg	373.69
05446	Bromomethane	74-83-9	N.D.	1.0	2.5	mg/kg	373.69
05447	Chloroethane	75-00-3	N.D.	1.0	2.5	mg/kg	373.69
05448	Trichlorofluoromethane	75-69-4	N.D.	1.0	2.5	mg/kg	373.69
05449	1,1-Dichloroethene	75-35-4	N.D.	0.50	2.5	mg/kg	373.69
05450	Methylene Chloride	75-09-2	N.D.	1.0	2.5	mg/kg	373.69
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	2.5	mg/kg	373.69
05452	1,1-Dichloroethane	75-34-3	N.D.	0.50	2.5	mg/kg	373.69
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.50	2.5	mg/kg	373.69
05455	Chloroform	67-66-3	N.D.	0.50	2.5	mg/kg	373.69
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	2.5	mg/kg	373.69
05458	Carbon Tetrachloride	56-23-5	N.D.	0.50	2.5	mg/kg	373.69
05460	Benzene	71-43-2	N.D.	0.25	2.5	mg/kg	373.69
05461	1,2-Dichloroethane	107-06-2	N.D.	0.50	2.5	mg/kg	373.69
05462	Trichloroethene	79-01-6	N.D.	0.50	2.5	mg/kg	373.69
05463	1,2-Dichloropropane	78-87-5	N.D.	0.50	2.5	mg/kg	373.69
05465	Bromodichloromethane	75-27-4	N.D.	0.50	2.5	mg/kg	373.69
05466	Toluene	108-88-3	1.1 J	0.50	2.5	mg/kg	373.69
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	2.5	mg/kg	373.69
05468	Tetrachloroethene	127-18-4	N.D.	0.50	2.5	mg/kg	373.69
05470	Dibromochloromethane	124-48-1	N.D.	0.50	2.5	mg/kg	373.69
05472	Chlorobenzene	108-90-7	N.D.	0.50	2.5	mg/kg	373.69
05474	Ethylbenzene	100-41-4	N.D.	0.50	2.5	mg/kg	373.69
05478	Bromoform	75-25-2	N.D.	0.50	2.5	mg/kg	373.69
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	2.5	mg/kg	373.69
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	2.5	mg/kg	373.69
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	2.5	mg/kg	373.69
06301	Xylene (Total)	1330-20-7	0.78 J	0.50	2.5	mg/kg	373.69
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	1.0	5.0	mg/kg	373.69
07586	Acrolein	107-02-8	N.D.	10.	50.	mg/kg	373.69
07587	Acrylonitrile	107-13-1	N.D.	2.0	10.	mg/kg	373.69

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4581388

05-MET-096 Grab Soil Sample  
N(8.75-9.25)  
Former Metro Container Investigation

Collected: 08/10/2005 11:15

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:09

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT-96

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	sample foaming.						

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 09:50	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/13/2005 02:20	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:03	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 12:11	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100660

Lancaster Laboratories Sample No. SW 4581388

05-MET-096 Grab Soil Sample  
N(8.75-9.25)  
Former Metro Container Investigation

Collected: 08/10/2005 11:15

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:09

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MT-96

01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 14:17	[REDACTED]	200
04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 14:52	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/16/2005 23:24	[REDACTED]	373.69
07584	PPL Volatiles	SW-846 8260B	1	08/16/2005 23:24	[REDACTED]	373.69
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 12:09	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 00:10	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581388  
Sample wt/vol: 6.69 (g/mL) g Lab File ID: HP07536.i/05aug16a.b/qg16s33.d  
Level: (low/med) MED Date Received: 08/10/05  
% Moisture: not dec. 26 Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 373.7  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.07	6.5	J
2. 75-15-0	Carbon disulfide	4.16	1100.	J
3.				
4.				
5.				
6.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100662



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4581388  
Sample wt/vol: 30 (g/mL) g Lab File ID: oh0411.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 26 Decanted: (Y/N)                      Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH:                      Extraction: Sonic  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.305	22	JAB
2.	!Unknown	7.039	12	J
3.	!Unknown Alkane	7.463	7.5	J
4.	!Unknown Alkane	7.795	18	J
5.	!Unknown	7.961	8.8	J
6.	!Unknown Alkane	7.998	16	J
7.	!Unknown Alkane	8.121	16	J
8.	!Phenanthrene, 2,3-dimethyl-	8.207	22	JX
9.	!Unknown	8.361	11	J
10.	!Unknown Cycloalkane	8.791	16	J
11.	!Unknown	8.957	7.0	J
12.	!Unknown	9.099	5.9	J
13.	!Unknown Cycloalkane	9.185	4.7	J
14.	!Unknown	9.246	9.6	J
15.	!Unknown	9.351	7.4	J
16.	!Unknown	9.628	7.6	J
17.	!Chrysene, 6-methyl-	9.818	10	JX
18.	!Unknown	9.880	8.1	J
19.	!Unknown	10.083	9.1	J
20.	!Unknown	10.144	14	J
21.	!Unknown Alkane	10.261	12	J
22.	!Benzo[e]pyrene	10.538	14	JX
23.	!Unknown	10.839	14	J
24.	!Unknown	11.085	14	J
25.	!Unknown	11.890	19	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100663

Lancaster Laboratories Sample No. SW 4581389

05-MET-096A Grab Soil Sample

FD(8.75-9.25)

Former Metro Container Investigation

Collected: 08/10/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:10

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT96A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0637 J	0.0037	0.138	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.32	2.75	mg/kg	1
06935	Arsenic	7440-38-2	5.00	0.920	2.75	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.32	2.75	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.13	2.75	mg/kg	1
06947	Beryllium	7440-41-7	0.571 J	0.0590	0.687	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.118	0.687	mg/kg	1
06951	Chromium	7440-47-3	24.6	0.728	2.06	mg/kg	1
06953	Copper	7440-50-8	17.5	0.412	1.37	mg/kg	1
06955	Lead	7439-92-1	35.5	1.07	2.75	mg/kg	1
06961	Nickel	7440-02-0	14.2	0.453	1.37	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.261	0.687	mg/kg	1
06972	Zinc	7440-66-6	66.0	0.632	2.75	mg/kg	1
00111	Moisture	n.a.	28.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.68	mg/kg	1
05912	Phenols	n.a.	N.D.	1.7	4.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.238	1.16	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.238	1.16	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.238	1.16	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.462	2.38	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	0.462	2.38	mg/kg	1000
01223	Endrin	72-20-8	N.D.	0.462	2.38	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	2.38	11.6	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.238	1.16	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.238	1.16	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.294	1.16	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.238	1.16	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	0.462	2.38	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	0.462	2.38	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	5.60	23.8	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	15.4	46.2	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.238	1.16	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	0.462	2.38	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.462	2.38	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	0.462	2.38	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR100664

Lancaster Laboratories Sample No. SW 4581389

05-MET-096A Grab Soil Sample  
FD(8.75-9.25)  
Former Metro Container Investigation

Collected: 08/10/2005 11:20

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:10  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT96A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	10.4	23.8	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	4.62	23.8	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	6.72	23.8	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	4.20	23.8	mg/kg	1000
01997	PCB-1248	12672-29-6	N.D.	15.4	46.2	mg/kg	1000
01998	PCB-1254	11097-69-1	N.D.	4.62	23.8	mg/kg	1000
01999	PCB-1260	11096-82-5	N.D.	15.4	46.2	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.4	7.0	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.47	2.3	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.47	2.3	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.47	2.3	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.47	2.3	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.47	2.3	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.93	2.3	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.47	2.3	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	2.3	7.0	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.93	2.3	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	2.3	7.0	mg/kg	1
01195	Pyrene	129-00-0	8.3	0.47	2.3	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.47	2.3	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.47	2.3	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.4	2.3	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.47	2.3	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.47	2.3	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	9.3	28.	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.3	7.0	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.93	2.3	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.47	2.3	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.47	2.3	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.47	2.3	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.47	2.3	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.47	2.3	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.47	2.3	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.47	2.3	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100665

Lancaster Laboratories Sample No. SW 4581389

05-MET-096A Grab Soil Sample

FD(8.75-9.25)

Former Metro Container Investigation

Collected: 08/10/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:10

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT96A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.47	2.3	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.47	2.3	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.93	2.3	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.3	7.0	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.47	2.3	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.47	2.3	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.93	2.3	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.47	2.3	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.47	2.3	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.47	2.3	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.93	2.3	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.47	2.3	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.47	2.3	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.47	2.3	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.47	2.3	mg/kg	1
03775	Phenanthrene	85-01-8	1.2 J	0.47	2.3	mg/kg	1
03776	Anthracene	120-12-7	0.85 J	0.47	2.3	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.93	2.3	mg/kg	1
03778	Fluoranthene	206-44-0	1.1 J	0.47	2.3	mg/kg	1
03779	Benzidine	92-87-5	N.D.	9.3	28.	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.93	2.3	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	6.3	0.47	2.3	mg/kg	1
03782	Chrysene	218-01-9	8.2	0.47	2.3	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.4	4.7	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.93	4.7	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.93	2.3	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	5.0	0.47	2.3	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	1.1 J	0.47	2.3	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	8.1	0.47	2.3	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	6.5	0.47	2.3	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	7.4	0.47	2.3	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	17.	0.47	2.3	mg/kg	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.47	2.4	mg/kg	337.38

\*=This limit was used in the evaluation of the final result

AR100666

Lancaster Laboratories Sample No. SW 4581389

05-MET-096A Grab Soil Sample  
FD(8.75-9.25)  
Former Metro Container Investigation

Collected: 08/10/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:10  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT96A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.24	2.4	mg/kg	337.38
02020	t-Butyl alcohol	75-65-0	N.D.	9.5	47.	mg/kg	337.38
05444	Chloromethane	74-87-3	N.D.	0.95	2.4	mg/kg	337.38
05445	Vinyl Chloride	75-01-4	N.D.	0.47	2.4	mg/kg	337.38
05446	Bromomethane	74-83-9	N.D.	0.95	2.4	mg/kg	337.38
05447	Chloroethane	75-00-3	N.D.	0.95	2.4	mg/kg	337.38
05448	Trichlorofluoromethane	75-69-4	N.D.	0.95	2.4	mg/kg	337.38
05449	1,1-Dichloroethene	75-35-4	N.D.	0.47	2.4	mg/kg	337.38
05450	Methylene Chloride	75-09-2	N.D.	0.95	2.4	mg/kg	337.38
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.47	2.4	mg/kg	337.38
05452	1,1-Dichloroethane	75-34-3	N.D.	0.47	2.4	mg/kg	337.38
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.47	2.4	mg/kg	337.38
05455	Chloroform	67-66-3	N.D.	0.47	2.4	mg/kg	337.38
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.47	2.4	mg/kg	337.38
05458	Carbon Tetrachloride	56-23-5	N.D.	0.47	2.4	mg/kg	337.38
05460	Benzene	71-43-2	0.24 J	0.24	2.4	mg/kg	337.38
05461	1,2-Dichloroethane	107-06-2	N.D.	0.47	2.4	mg/kg	337.38
05462	Trichloroethene	79-01-6	N.D.	0.47	2.4	mg/kg	337.38
05463	1,2-Dichloropropane	78-87-5	N.D.	0.47	2.4	mg/kg	337.38
05465	Bromodichloromethane	75-27-4	N.D.	0.47	2.4	mg/kg	337.38
05466	Toluene	108-88-3	1.4 J	0.47	2.4	mg/kg	337.38
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.47	2.4	mg/kg	337.38
05468	Tetrachloroethene	127-18-4	N.D.	0.47	2.4	mg/kg	337.38
05470	Dibromochloromethane	124-48-1	N.D.	0.47	2.4	mg/kg	337.38
05472	Chlorobenzene	108-90-7	N.D.	0.47	2.4	mg/kg	337.38
05474	Ethylbenzene	100-41-4	N.D.	0.47	2.4	mg/kg	337.38
05478	Bromoform	75-25-2	N.D.	0.47	2.4	mg/kg	337.38
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.47	2.4	mg/kg	337.38
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.47	2.4	mg/kg	337.38
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.47	2.4	mg/kg	337.38
06301	Xylene (Total)	1330-20-7	1.1 J	0.47	2.4	mg/kg	337.38
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.95	4.7	mg/kg	337.38
07586	Acrolein	107-02-8	N.D.	9.5	47.	mg/kg	337.38
07587	Acrylonitrile	107-13-1	N.D.	1.9	9.5	mg/kg	337.38

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

\*=This limit was used in the evaluation of the final result

AR100667

Lancaster Laboratories Sample No. SW 4581389

05-MET-096A Grab Soil Sample  
FD(8.75-9.25)  
Former Metro Container Investigation

Collected: 08/10/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:10

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT96A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/12/2005 09:51	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/13/2005 02:25	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/11/2005 16:08	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:04	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 12:12	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 14:38	[REDACTED]	1000

\*=This limit was used in the evaluation of the final result

AR100668



Lancaster Laboratories Sample No. SW 4581389

05-MET-096A Grab Soil Sample

FD(8.75-9.25)

Former Metro Container Investigation

Collected: 08/10/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:10

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MT96A

04688	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 15:13	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/16/2005 23:48	[REDACTED]	337.38
07584	PPL Volatiles	SW-846 8260B	1	08/16/2005 23:48	[REDACTED]	337.38
00381	BNA Soil Extraction	SW-846 3550B	1	08/11/2005 16:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/11/2005 20:25	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/11/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/11/2005 07:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 12:11	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 00:11	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581389  
Sample wt/vol: 7.41 (g/mL) g Lab File ID: HP07536.i/05aug16a.b/qg16s34.d  
Level: (low/med) MED Date Received: 08/10/05  
% Moisture: not dec. 29 Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 337.4  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.07	6.3	J
2. 75-15-0	Carbon disulfide	4.17	1000.	J
3.				
4.				
5.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100670

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581389  
Sample wt/vol: 30 (g/mL) g Lab File ID: oh0412.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: 29 Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc

CONCENTRATION UNITS:

Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.311	27	JAB
2.	Unknown	7.039	12	J
3.	Unknown	7.777	8.6	J
4.	Unknown Cycloalkane	7.924	9.0	J
5.	Unknown	8.035	16	J
6.	Unknown	8.121	17	J
7.	Phenanthrene, 2,5-dimethyl-	8.207	25	JX
8.	Unknown	8.361	12	J
9.	Unknown	8.791	8.3	J
10.1353-12-6	Pyrene, 4-methyl-	8.859	8.1	J
11.	Unknown Alkane	8.957	11	J
12.	Unknown	9.062	7.3	J
13.	Unknown	9.099	7.1	J
14.	Unknown	9.246	15	J
15.	Unknown	9.351	12	J
16.	Chrysene, 3-methyl-	9.818	19	JX
17.	Unknown	9.880	9.8	J
18.	Unknown Alkane	10.083	15	J
19.	Unknown	10.150	20	J
20.	Unknown Alkane	10.261	15	J
21.	Benzo[a]pyrene	10.538	18	JX
22.	11H-Indeno[2,1-a]phenanthren	10.765	29	JX
23.	Unknown	10.943	17	J
24.	Unknown	11.085	26	J
25.	Unknown	11.884	19	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100671

Lancaster Laboratories Sample No. WW 4581390

**EB-080905S Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/09/2005 08:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:11

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB89S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0096	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.038	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0096	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0096	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0096	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0096	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0038	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0096	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0038	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.067	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.96	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0038	0.019	ug/l	1
01616	Endosulfan I	959-98-8	0.0028 J	0.0019	0.0096	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.096	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.096	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.096	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.096	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100672

Lancaster Laboratories Sample No. WW 4581390

**EB-080905S Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/09/2005 08:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:11

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB89S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.096	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.096	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.096	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	0.9	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	0.9	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	0.9	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	0.9	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	0.9	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	9.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	0.9	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	0.9	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	0.9	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	9.	28.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.9	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	0.9	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	0.9	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	0.9	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.9	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	0.9	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.9	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	0.9	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	0.9	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.9	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.9	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	0.9	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	0.9	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	0.9	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	0.9	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	0.9	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	0.9	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	0.9	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100673

Lancaster Laboratories Sample No. WW 4581390

**EB-080905S Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/09/2005 08:45

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:11

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB89S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03956	Fluorene	86-73-7	N.D.	0.9	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.9	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	0.9	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	0.9	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	0.9	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	0.9	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	0.9	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	0.9	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	0.9	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	0.9	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	0.9	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	0.9	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	0.9	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	0.9	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.9	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	0.9	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	0.9	5.	ug/l	1
06371	Add'l Volatile Compounds						
05662	1,2-Dibromoethane	106-93-4	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100674



Lancaster Laboratories Sample No. WW 4581390

**EB-080905S Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/09/2005 08:45

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:11

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB89S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4581390

**EB-080905S Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/09/2005 08:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:11

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB89S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:04	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/15/2005 04:25	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 11:21	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 11:21	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 11:21	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 11:21	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 11:21	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 11:21	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 11:21	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 11:21	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 11:21	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 11:21	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 11:21	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 10:21	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	2	08/19/2005 09:27	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/15/2005 22:55	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 17:40	[REDACTED]	1
06371	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 04:18	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/18/2005 04:18	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/18/2005 04:18	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100676

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581390  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09137.i/05aug17a.b/wg17s02.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100677

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) WATER Lab Sample ID: 4581390  
Sample wt/vol: 1057 (g/mL) mL Lab File ID: oh0419.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture:                      Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 20 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.437	13	J
2.	!Unknown Carboxylic Acid	4.499	4	J
3.	!Unknown Carboxylic Acid	7.850	10	J
4.	!Unknown Carboxylic Acid	8.447	28	J
5.	!Unknown Carboxylic Acid	8.502	30	J
6.	!1-Phenanthrenecarboxylic aci	9.363	6	JX
7.	!Unknown	10.144	8	J
8.	!Unknown	10.488	5	J
9.	!Unknown	10.746	6	J
10.	!Unknown	10.826	11	J
11.	!Unknown	11.072	17	J
12.	!Unknown	11.165	22	J
13.	!Unknown	11.429	5	J
14.	!Unknown	11.564	15	J
15.	!Unknown	11.644	9	J
16.	!Unknown	11.706	20	J
17.	!Unknown	11.939	10	J
18.	!Unknown	12.210	16	J
19.	!Unknown	12.530	24	J
20.	!Unknown	12.702	11	J
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100678

Lancaster Laboratories Sample No. G5 4581391

**TB-081005 Trip Blank Methanol Sample**  
**TB**  
**Former Metro Container Investigation**

Collected: 08/10/2005

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:11  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB810

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	mg/kg	50
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	50
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.0	mg/kg	50
05444	Chloromethane	74-87-3	N.D.	0.10	0.25	mg/kg	50
05445	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	mg/kg	50
05446	Bromomethane	74-83-9	N.D.	0.10	0.25	mg/kg	50
05447	Chloroethane	75-00-3	N.D.	0.10	0.25	mg/kg	50
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	mg/kg	50
05449	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	mg/kg	50
05450	Methylene Chloride	75-09-2	0.16 J	0.10	0.25	mg/kg	50
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	mg/kg	50
05452	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	mg/kg	50
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	mg/kg	50
05455	Chloroform	67-66-3	N.D.	0.050	0.25	mg/kg	50
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	mg/kg	50
05458	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	mg/kg	50
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	mg/kg	50
05462	Trichloroethene	79-01-6	N.D.	0.050	0.25	mg/kg	50
05463	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	mg/kg	50
05465	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	mg/kg	50
05466	Toluene	108-88-3	N.D.	0.050	0.25	mg/kg	50
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	mg/kg	50
05468	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	mg/kg	50
05470	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	mg/kg	50
05472	Chlorobenzene	108-90-7	N.D.	0.050	0.25	mg/kg	50
05474	Ethylbenzene	100-41-4	N.D.	0.050	0.25	mg/kg	50
05478	Bromoform	75-25-2	N.D.	0.050	0.25	mg/kg	50
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	mg/kg	50
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	mg/kg	50
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	mg/kg	50
06301	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	mg/kg	50
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.50	mg/kg	50
07586	Acrolein	107-02-8	N.D.	1.0	5.0	mg/kg	50

\*This limit was used in the evaluation of the final result

AR100679



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 3  
REVISED

Lancaster Laboratories Sample No. G5 4581391

TB-081005 Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation

Collected: 08/10/2005

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:11  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB810

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	50
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 13:09		50
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 13:09		50
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/11/2005 12:13		1

\*=This limit was used in the evaluation of the final result

AR100680



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4581391  
Sample wt/vol: 5.0 (g/mL) g Lab File ID: HP07566.i/05aug15a.b/rg15s0a.d  
Level: (low/med) MED Date Received: 08/10/05  
% Moisture: not dec. N/A Date Analyzed: 08/15/05  
Column: (pack/cap) CAP Dilution Factor: 50.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) mg/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

Lancaster Laboratories Sample No. WW 4581392

**EB-081005W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/10/2005 13:40

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 14:11  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

E810W

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0097	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.039	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0097	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0097	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0097	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0049	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0097	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0039	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0097	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0039	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.068	0.49	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.97	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0039	0.019	ug/l	1
01616	Endosulfan I	959-98-8	0.0022 J	0.0019	0.0097	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.097	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.097	0.49	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.49	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.097	0.49	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.097	0.49	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100682

Lancaster Laboratories Sample No. WW 4581392

**EB-081005W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/10/2005 13:40

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:11

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

E810W

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.097	0.49	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.14	0.49	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.097	0.49	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.097	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	58.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	15.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100683

Lancaster Laboratories Sample No. WW 4581392

**EB-081005W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/10/2005 13:40

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:11

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

E810W

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	58.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100684

Lancaster Laboratories Sample No. WW 4581392

**EB-081005W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/10/2005 13:40

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:11

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

E810W

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4581392

**EB-081005W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/10/2005 13:40

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 14:11

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

E810W

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:05	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/15/2005 04:30	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 11:26	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 11:26	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 11:26	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 11:26	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 11:26	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 11:26	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 11:26	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 11:26	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 11:26	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 11:26	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 11:26	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 10:22	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 17:24	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/15/2005 23:15	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/17/2005 13:36	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 18:01	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/18/2005 03:54	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/18/2005 03:54	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100686



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581392  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09137.i/05aug17a.b/wg17s01.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100687

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581392  
Sample wt/vol: 1031 (g/mL) mL Lab File ID: oh0420.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 16 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.394	6	J
2.	!Unknown Carboxylic Acid	7.851	11	J
3.	!Unknown	8.293	10	J
4.	!Unknown Carboxylic Acid	8.447	10	J
5.	!Unknown Carboxylic Acid	8.539	10	J
6.	!Unknown	8.582	4	J
7.	!Unknown	10.513	4	J
8.	!Unknown	11.066	5	J
9.	!Unknown	11.220	33	J
10.	!Unknown	11.349	14	J
11.	!Unknown	11.429	6	J
12.	!Unknown	11.497	17	J
13.	!Unknown	11.792	4	J
14.	!Unknown	12.204	5	J
15.	!Unknown	12.468	8	J
16.	!Unknown	12.892	5	J
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100688

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052230005A	Sample number(s): 4581378-4581389								
Gamma BHC - Lindane	N.D.	0.170	0.830	ug/kg	111		74-133		
Heptachlor	N.D.	0.170	0.830	ug/kg	110		72-143		
Aldrin	N.D.	0.170	0.830	ug/kg	117		74-137		
p,p-DDT	N.D.	0.330	1.70	ug/kg	84		67-152		
Dieldrin	N.D.	0.330	1.70	ug/kg	112		71-133		
Endrin	N.D.	0.330	1.70	ug/kg	100		68-133		
Methoxychlor	N.D.	1.70	8.30	ug/kg	88		56-168		
Alpha BHC	N.D.	0.170	0.830	ug/kg	119		70-134		
Beta BHC	N.D.	0.170	0.830	ug/kg	111		68-137		
Delta BHC	N.D.	0.210	0.830	ug/kg	103		53-167		
Heptachlor Epoxide	N.D.	0.170	0.830	ug/kg	111		72-132		
p,p-DDE	N.D.	0.330	1.70	ug/kg	106		71-143		
p,p-DDD	N.D.	0.330	1.70	ug/kg	112		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.0	33.0	ug/kg					
Endosulfan I	N.D.	0.170	0.830	ug/kg	116		71-130		
Endosulfan II	N.D.	0.330	1.70	ug/kg	110		73-134		
Endosulfan Sulfate	N.D.	0.330	1.70	ug/kg	98		58-133		
Endrin Aldehyde	N.D.	0.330	1.70	ug/kg	99		47-145		
PCB-1016	N.D.	7.40	17.0	ug/kg					
PCB-1221	N.D.	3.30	17.0	ug/kg					
PCB-1232	N.D.	4.80	17.0	ug/kg					
PCB-1242	N.D.	3.00	17.0	ug/kg					
PCB-1248	N.D.	11.0	33.0	ug/kg					
PCB-1254	N.D.	3.30	17.0	ug/kg					
PCB-1260	N.D.	11.0	33.0	ug/kg					
Batch number: 052230008A	Sample number(s): 4581390,4581392								
Alpha BHC	N.D.	0.0020	0.010	ug/l	97	97	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	100	100	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	98	98	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	93	92	41-155	1	20
Heptachlor	N.D.	0.0020	0.010	ug/l	89	87	45-130	2	20
Aldrin	N.D.	0.0050	0.020	ug/l	74	72	47-122	3	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	96	96	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	90	90	44-154	0	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	95	95	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	95	95	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	95	95	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	95	95	62-135	0	20
Chlordane	N.D.	0.070	0.50	ug/l	95	95	75-125	0	100
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	90	90	61-141	0	20

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Endosulfan I	N.D.	0.0020	0.010	ug/l	97	97	66-131	0	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	90	90	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	86	86	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	94	92	49-155	2	20
Batch number: 052235708002 Sample number(s): 4581378-4581389									
Thallium	N.D.	0.960	2.00	mg/kg	105		76-125		
Arsenic	N.D.	0.670	2.00	mg/kg	95		80-120		
Selenium	N.D.	0.960	2.00	mg/kg	102		74-126		
Antimony	N.D.	0.820	2.00	mg/kg	61		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	101		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	97		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	100		78-121		
Copper	N.D.	0.300	1.00	mg/kg	101		80-120		
Lead	N.D.	0.780	2.00	mg/kg	98		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	98		78-122		
Silver	N.D.	0.190	0.500	mg/kg	111		49-150		
Zinc	0.640 J	0.460	2.00	mg/kg	93		46-154		
Batch number: 052235711002 Sample number(s): 4581378-4581389									
Mercury	N.D.	0.0027	0.100	mg/kg	91		66-133		
Batch number: 05223820001A Sample number(s): 4581378-4581379									
Moisture					100		99-101		
Batch number: 05223820001B Sample number(s): 4581380-4581389									
Moisture					100		99-101		
Batch number: 05223SLA026 Sample number(s): 4581378-4581389									
1,4-Dioxane	N.D.	100.	500.	ug/kg	31		14-81		
Phenol	N.D.	33.	170.	ug/kg	83		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	89		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	70		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	77		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	83		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	90		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	90		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	69		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	80		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	92		47-110		
Pyrene	N.D.	33.	170.	ug/kg	109		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	90		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	97		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	89		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	94		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	97		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	84		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	93		56-120		

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS D %REC	LCS/LCSD Limits	RPD	RPD Max
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	65		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	78		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	68		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	70		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	98		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	74		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	78		68-105		
Isophorone	N.D.	33.	170.	ug/kg	82		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	96		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	83		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	83		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	113		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	68		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	105		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	88		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	89		75-108		
Fluorene	N.D.	33.	170.	ug/kg	86		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	88		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	92		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	96		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	100		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	100		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	90		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	93		70-107		
Anthracene	N.D.	33.	170.	ug/kg	95		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	103		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	87		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	66		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	96		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	95		73-111		
Chrysene	N.D.	33.	170.	ug/kg	96		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	56		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	99		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	111		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	91		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	102		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	104		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	97		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	102		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	100		66-120		

Batch number: 05223WAC026

Sample number(s): 4581390,4581392

1,4-Dioxane	N.D.	1.	5.	ug/l	59	60	43-73	2	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	87	90	65-107	3	30
2-Chlorophenol	N.D.	1.	5.	ug/l	86	84	63-112	3	30
Phenol	N.D.	1.	5.	ug/l	41	38	29-57	7	30
2-Nitrophenol	N.D.	1.	5.	ug/l	102	103	83-119	1	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	80	82	60-107	3	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	87	89	66-110	2	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	82	81	48-114	1	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	94	94	69-111	0	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	72	73	44-130	1	30
4-Nitrophenol	N.D.	10.	30.	ug/l	35	34	16-75	4	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	90	90	56-130	1	30
Pentachlorophenol	N.D.	3.	15.	ug/l	95	84	48-108	12	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	57	49	39-84	14	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	82	81	57-110	1	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	75	74	52-102	1	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	79	76	54-103	5	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	76	74	58-99	3	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	105	102	68-133	4	30
Hexachloroethane	N.D.	1.	5.	ug/l	70	68	33-106	2	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	78	74	56-109	5	30
Nitrobenzene	N.D.	1.	5.	ug/l	86	88	61-111	2	30
Isophorone	N.D.	1.	5.	ug/l	81	83	63-105	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	97	100	69-119	2	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	82	82	62-101	0	30
Naphthalene	N.D.	1.	5.	ug/l	87	87	70-102	0	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	66	68	33-118	3	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	82	81	14-169	1	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	70	70	56-100	0	30
Acenaphthylene	N.D.	1.	5.	ug/l	105	104	65-120	1	30
Dimethylphthalate	N.D.	2.	5.	ug/l	75	74	46-109	1	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	88	89	70-108	1	30
Acenaphthene	N.D.	1.	5.	ug/l	90	89	68-111	1	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	77	77	75-122	0	30
Fluorene	N.D.	1.	5.	ug/l	82	84	61-116	2	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	85	85	65-110	0	30
Diethylphthalate	N.D.	2.	5.	ug/l	86	86	61-110	0	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	100	100	62-106	0	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	103	100	63-104	3	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	100	100	67-110	1	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	91	89	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	94	94	68-111	0	30
Anthracene	N.D.	1.	5.	ug/l	94	92	68-108	2	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	99	97	63-113	2	30
Fluoranthene	N.D.	1.	5.	ug/l	90	88	66-108	2	30
Pyrene	N.D.	1.	5.	ug/l	98	101	68-114	2	30
Benzidine	N.D.	20.	60.	ug/l	94	88	20-134	6	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	85	89	63-120	4	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	91	92	72-112	0	30
Chrysene	N.D.	1.	5.	ug/l	93	95	70-111	2	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	88	85	39-116	4	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	84	87	62-126	4	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	93	95	58-118	2	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	97	94	67-117	3	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	89	92	67-120	3	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	100	99	68-121	1	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	101	98	67-122	4	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	109	105	71-129	4	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	105	104	67-121	0	30

Batch number: 05224102201B  
Total Cyanide

Sample number(s): 4581378-4581381  
N.D. 0.18 0.50 mg/kg

105 90-110

Batch number: 05224117101A  
Total Cyanide

Sample number(s): 4581390,4581392  
N.D. 0.0050 0.010 mg/l

103 90-110

Batch number: 052241848001  
Thallium

Sample number(s): 4581390,4581392  
N.D. 0.0100 0.0200 mg/l

101 92-107

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Arsenic	N.D.	0.0093	0.0200	mg/l	106		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	102		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	105		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	102		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	106		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	102		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	102		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	102		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	103		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	110		96-114		
Zinc	0.0070 J	0.0053	0.0200	mg/l	102		90-112		
Batch number: 052245713001	Sample number(s): 4581390,4581392								
Mercury	N.D.	0.00006	0.00020	mg/l	101		80-120		
		2							
Batch number: 052250010A	Sample number(s): 4581392								
Ethylene dibromide	N.D.	0.010	0.030	ug/l	88	92	60-140	5	20
Batch number: 05227102201A	Sample number(s): 4581382-4581389								
Total Cyanide	N.D.	0.18	0.50	mg/kg	103		90-110		
Batch number: 05227113201A	Sample number(s): 4581378-4581386								
Phenols	N.D.	1.2	3.5	mg/kg	92		80-120		
Batch number: 05227113201B	Sample number(s): 4581387-4581389								
Phenols	N.D.	1.2	3.5	mg/kg	92		80-120		
Batch number: 05228120101A	Sample number(s): 4581390,4581392								
Phenols	N.D.	0.0090	0.030	mg/l	89	93	83-108	4	20
Batch number: Q052241AB	Sample number(s): 4581378,4581380-4581382,4581384								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	112	110	75-125	1	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	95	93	51-160	1	30
Chloromethane	N.D.	100.	250.	ug/kg	97	85	62-132	13	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	91	77	66-124	16	30
Bromomethane	N.D.	100.	250.	ug/kg	103	97	59-127	6	30
Chloroethane	N.D.	100.	200.	ug/kg	97	91	63-120	7	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	91	79	65-138	14	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	107	95	69-133	11	30
Methylene Chloride	N.D.	100.	250.	ug/kg	108	107	75-120	1	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	105	100	77-124	5	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	108	104	79-124	4	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	107	105	76-120	2	30
Chloroform	N.D.	50.	250.	ug/kg	110	107	81-117	3	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	108	101	74-127	7	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	105	97	69-130	8	30
Benzene	N.D.	25.	250.	ug/kg	108	105	77-119	3	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	114	114	76-126	1	30
Trichloroethene	N.D.	50.	250.	ug/kg	106	103	81-114	3	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	106	106	78-119	0	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	112	114	77-116	1	30
Toluene	N.D.	50.	250.	ug/kg	100	98	81-116	2	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	104	104	74-117	0	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	98	93	73-127	5	30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Dibromochloromethane	N.D.	50.	250.	ug/kg	108	106	73-116	1	30
Chlorobenzene	N.D.	50.	250.	ug/kg	101	99	81-112	2	30
Ethylbenzene	N.D.	50.	250.	ug/kg	102	99	82-115	3	30
Bromoform	N.D.	50.	250.	ug/kg	103	101	64-125	2	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	104	99	64-121	5	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	106	103	77-114	3	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	103	103	72-119	1	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	106	105	72-117	1	30
Xylene (Total)	N.D.	50.	250.	ug/kg	103	100	82-117	3	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	111	111	9-208	1	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	96	97	33-143	1	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	112	109	56-129	3	30

Batch number: Q052282AA	Sample number(s): 4581385-4581386, 4581388-4581389								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	105	101	75-125	4	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	85	89	51-160	5	30
Chloromethane	N.D.	100.	250.	ug/kg	77	78	62-132	1	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	77	78	66-124	1	30
Bromomethane	N.D.	100.	250.	ug/kg	81	87	59-127	8	30
Chloroethane	N.D.	100.	200.	ug/kg	79	82	63-120	4	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	81	84	65-138	3	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	102	106	69-133	3	30
Methylene Chloride	N.D.	100.	250.	ug/kg	107	108	75-120	1	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	102	100	77-124	2	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	107	103	79-124	4	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	107	104	76-120	2	30
Chloroform	N.D.	50.	250.	ug/kg	103	101	81-117	2	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	104	101	74-127	3	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	98	97	69-130	1	30
Benzene	N.D.	25.	250.	ug/kg	105	103	77-119	2	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	106	103	76-126	2	30
Trichloroethene	N.D.	50.	250.	ug/kg	101	101	81-114	0	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	106	104	78-119	2	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	104	102	77-116	1	30
Toluene	N.D.	50.	250.	ug/kg	102	91	81-116	11	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	96	92	74-117	3	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	89	87	73-127	3	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	97	94	73-116	3	30
Chlorobenzene	N.D.	50.	250.	ug/kg	92	89	81-112	3	30
Ethylbenzene	N.D.	50.	250.	ug/kg	98	91	82-115	7	30
Bromoform	N.D.	50.	250.	ug/kg	92	89	64-125	4	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	100	88	64-121	13	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	95	91	77-114	5	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	92	87	72-119	5	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	106	103	72-117	3	30
Xylene (Total)	N.D.	50.	250.	ug/kg	105	94	82-117	11	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	108	103	9-208	4	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	93	87	33-143	6	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	100	97	56-129	3	30

Batch number: R052271AA	Sample number(s): 4581391								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	94	93	75-125	2	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	70	68	51-160	2	30
Chloromethane	N.D.	100.	250.	ug/kg	87	88	62-132	1	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	80	83	66-124	4	30

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromomethane	N.D.	100.	250.	ug/kg	111	111	59-127	0	30
Chloroethane	N.D.	100.	200.	ug/kg	97	106	63-120	9	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	88	93	65-138	6	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	89	90	69-133	0	30
Methylene Chloride	N.D.	100.	250.	ug/kg	102	99	75-120	2	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	95	95	77-124	0	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	104	101	79-124	3	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	94	97	76-120	2	30
Chloroform	N.D.	50.	250.	ug/kg	102	100	81-117	2	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	97	95	74-127	3	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	96	94	69-130	2	30
Benzene	N.D.	25.	250.	ug/kg	102	99	77-119	2	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	105	102	76-126	3	30
Trichloroethene	N.D.	50.	250.	ug/kg	97	95	81-114	2	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	102	101	78-119	2	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	96	97	77-116	1	30
Toluene	N.D.	50.	250.	ug/kg	99	98	81-116	0	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	99	97	74-117	1	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	78	78	73-127	1	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	96	94	73-116	2	30
Chlorobenzene	N.D.	50.	250.	ug/kg	98	98	81-112	1	30
Ethylbenzene	N.D.	50.	250.	ug/kg	100	98	82-115	2	30
Bromoform	N.D.	50.	250.	ug/kg	90	89	64-125	1	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	100	98	64-121	2	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	96	95	77-114	1	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	103	101	72-119	2	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	99	97	72-117	1	30
Xylene (Total)	N.D.	50.	250.	ug/kg	97	95	82-117	1	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	89	86	9-208	4	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	90	86	33-143	4	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	99	97	56-129	2	30

Batch number: W052291AA

Sample number(s): 4581390,4581392

Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	91		77-127
t-Butyl alcohol	N.D.	10.	80.	ug/l	105		57-141
Chloromethane	N.D.	1.	5.	ug/l	86		59-177
Vinyl Chloride	N.D.	1.	5.	ug/l	88		71-134
Bromomethane	N.D.	1.	5.	ug/l	76		62-131
Chloroethane	N.D.	1.	5.	ug/l	82		67-127
Trichlorofluoromethane	N.D.	2.	5.	ug/l	95		70-148
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	91		79-130
Methylene Chloride	N.D.	2.	5.	ug/l	91		80-128
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	90		81-124
1,1-Dichloroethane	N.D.	1.	5.	ug/l	91		83-127
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	92		84-117
Chloroform	N.D.	0.8	5.	ug/l	91		86-124
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	89		83-127
Carbon Tetrachloride	N.D.	1.	5.	ug/l	89		77-130
Benzene	N.D.	0.5	5.	ug/l	92		85-117
1,2-Dichloroethane	N.D.	1.	5.	ug/l	91		77-132
Trichloroethene	N.D.	1.	5.	ug/l	90		87-117
1,2-Dichloropropane	N.D.	1.	5.	ug/l	95		80-117
Bromodichloromethane	N.D.	1.	5.	ug/l	91		83-121
Toluene	N.D.	0.7	5.	ug/l	95		85-115
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	99		86-113

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Tetrachloroethene	N.D.	0.8	5.	ug/l	91		74-125		
Dibromochloromethane	N.D.	1.	5.	ug/l	100		78-119		
Chlorobenzene	N.D.	0.8	5.	ug/l	97		85-115		
Ethylbenzene	N.D.	0.8	5.	ug/l	97		82-119		
Bromoform	N.D.	1.	5.	ug/l	95		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	100		72-119		
1,2-Dibromoethane	N.D.	1.	5.	ug/l	98		81-114		
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	94		79-114		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	95		78-114		
Xylene (Total)	N.D.	0.8	5.	ug/l	97		83-113		
Acrylonitrile	N.D.	4.	20.	ug/l	98		55-137		
Acrolein	N.D.	40.	100.	ug/l	86		28-146		
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	97		53-133		

Batch number: X052271AA

Sample number(s): 4581379,4581383,4581387

Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	89	88	75-125	1	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	127	127	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	119	116	62-132	2	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	106	107	66-124	1	30
Bromomethane	N.D.	2.	5.	ug/kg	97	96	59-127	1	30
Chloroethane	N.D.	2.	4.	ug/kg	110	108	63-120	2	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	89	89	65-138	0	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	93	93	69-133	1	30
Methylene Chloride	N.D.	2.	5.	ug/kg	100	100	75-120	1	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	94	77-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	106	105	79-124	1	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	98	96	76-120	3	30
Chloroform	N.D.	1.	5.	ug/kg	98	97	81-117	1	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91	92	74-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	89	88	69-130	1	30
Benzene	N.D.	0.5	5.	ug/kg	104	104	77-119	0	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	95	93	76-126	3	30
Trichloroethene	N.D.	1.	5.	ug/kg	99	98	81-114	1	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	114	113	78-119	0	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	93	94	77-116	1	30
Toluene	N.D.	1.	5.	ug/kg	106	108	81-116	2	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	103	104	74-117	0	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	98	97	73-127	1	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	93	93	73-116	0	30
Chlorobenzene	N.D.	1.	5.	ug/kg	102	101	81-112	1	30
Ethylbenzene	N.D.	1.	5.	ug/kg	105	105	82-115	0	30
Bromoform	N.D.	1.	5.	ug/kg	88	85	64-125	3	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	114	106	64-121	7	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	97	96	77-114	2	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	102	103	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	100	99	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	103	104	82-117	1	30
Acrolein	N.D.	20.	40.	ug/kg	98	86	33-143	13	30
Acrylonitrile	N.D.	4.	20.	ug/kg	103	92	56-129	11	30

### Sample Matrix Quality Control

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	BKG MAX	DUP Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052230005A	Sample number(s): 4581378-4581389								
Gamma BHC - Lindane	0*	0*	43-154	0	35				
Heptachlor	0*	0*	70-138	0	35				
Aldrin	0*	0*	58-159	0	35				
p,p-DDT	0*	0*	62-166	0	35				
Dieldrin	0*	0*	68-139	0	35				
Endrin	0*	0*	48-188	0	35				
Methoxychlor	0*	0*	74-162	0	35				
Alpha BHC	0*	0*	64-134	0	35				
Beta BHC	0*	0*	31-176	0	35				
Delta BHC	0*	0*	68-158	0	35				
Heptachlor Epoxide	0*	0*	69-133	0	35				
p,p-DDE	0*	0*	48-175	0	35				
p,p-DDD	0*	0*	52-181	0	35				
Endosulfan I	0*	0*	41-166	0	35				
Endosulfan II	0*	0*	65-144	0	35				
Endosulfan Sulfate	0*	0*	65-154	0	35				
Endrin Aldehyde	0*	0*	63-125	0	35				
Batch number: 052235708002	Sample number(s): 4581378-4581389								
Thallium	92	94	84-105	1	20	1.48 J	1.39 J	6 (1)	20
Arsenic	94	95	76-110	2	20	0.857 J	0.802 J	7 (1)	20
Selenium	94	96	80-120	2	20	N.D.	N.D.	114* (1)	20
Antimony	53*	53*	80-120	0	20	N.D.	N.D.	10 (1)	20
Beryllium	102	106	89-114	2	20	1.57	1.59	2 (1)	20
Cadmium	80	80	80-120	1	20	N.D.	0.455 J	16 (1)	20
Chromium	(2)	(2)	80-120	5	20	203.	221.	8	20
Copper	134*	138*	80-120	1	20	40.5	40.2	1	20
Lead	93	96	80-120	2	20	3.43	3.67	7 (1)	20
Nickel	97	112	80-120	5	20	86.7	90.7	4	20
Silver	102	102	80-120	1	20	0.274 J	0.288 J	5 (1)	20
Zinc	99	106	80-120	3	20	63.9	67.7	6	20
Batch number: 052235711002	Sample number(s): 4581378-4581389								
Mercury	94	94	80-120	1	20	N.D.	N.D.	40* (1)	20
Batch number: 05223820001A	Sample number(s): 4581378-4581379								
Moisture						15.1	15.9	5	15
Batch number: 05223820001B	Sample number(s): 4581380-4581389								
Moisture						29.3	29.7	2	15
Batch number: 05223SLA026	Sample number(s): 4581378-4581389								
1,4-Dioxane	38	41	6-84	9	30				
Phenol	70	80	48-128	8	30				
2-Chlorophenol	79	83	36-140	6	30				
1,4-Dichlorobenzene	71	74	46-115	4	30				
N-Nitroso-di-n-propylamine	95	95	42-132	1	30				
1,2,4-Trichlorobenzene	90	94	62-114	4	30				
4-Chloro-3-methylphenol	78	82	42-147	6	30				
Acenaphthene	97	101	47-137	4	30				
4-Nitrophenol	67	80	30-151	18	30				
2,4-Dinitrotoluene	88	91	66-126	4	30				
Pentachlorophenol	93	94	22-126	1	30				
Pyrene	98	113	25-159	10	30				
1-Methylnaphthalene	102	97	60-128	4	30				

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
2-Nitrophenol	73	83	53-140	13	30			
2,4-Dimethylphenol	90	94	44-131	5	30			
2,4-Dichlorophenol	84	90	60-123	7	30			
2,4,6-Trichlorophenol	73	81	51-128	11	30			
2,4-Dinitrophenol	0*	0*	20-152	0	30			
4,6-Dinitro-2-methylphenol	21	29	14-136	12	30			
N-Nitrosodimethylamine	61	63	56-110	3	30			
bis(2-Chloroethyl)ether	70	77	60-110	11	30			
1,3-Dichlorobenzene	69	69	52-112	0	30			
1,2-Dichlorobenzene	69	74	56-108	6	30			
bis(2-Chloroisopropyl)ether	93	98	38-157	5	30			
Hexachloroethane	105	110	30-130	4	30			
Nitrobenzene	81	88	65-113	8	30			
Isophorone	80	86	55-116	7	30			
bis(2-Chloroethoxy)methane	91	96	63-128	5	30			
Naphthalene	87	87	54-121	0	30			
Hexachlorobutadiene	85	92	43-132	7	30			
Hexachlorocyclopentadiene	16	16	5-175	1	30			
2-Chloronaphthalene	68	74	51-100	9	30			
Acenaphthylene	104	112	66-137	8	30			
Dimethylphthalate	81	88	70-112	8	30			
2,6-Dinitrotoluene	86	89	66-116	4	30			
Fluorene	83	84	48-130	2	30			
4-Chlorophenyl-phenylether	88	91	50-128	3	30			
Diethylphthalate	90	95	71-112	5	30			
1,2-Diphenylhydrazine	98	98	26-141	0	30			
N-Nitrosodiphenylamine	105	105	59-133	0	30			
4-Bromophenyl-phenylether	102	112	69-119	9	30			
Hexachlorobenzene	95	95	59-130	1	30			
Phenanthrene	96	94	28-155	1	30			
Anthracene	94	93	47-135	0	30			
Di-n-butylphthalate	104	103	67-119	1	30			
Fluoranthene	69	79	32-137	9	30			
Benzidine	63	58	20-173	8	30			
Butylbenzylphthalate	114	119	55-131	4	30			
Benzo(a)anthracene	82	95	39-144	11	30			
Chrysene	83	96	38-144	10	30			
3,3'-Dichlorobenzidine	76	50	10-133	41*	30			
bis(2-Ethylhexyl)phthalate	(2)	(2)	54-141	2	30			
Di-n-octylphthalate	142	154*	47-144	8	30			
Benzo(b)fluoranthene	91	97	24-155	6	30			
Benzo(k)fluoranthene	77	84	2-176	7	30			
Benzo(a)pyrene	92	113	38-142	17	30			
Indeno(1,2,3-cd)pyrene	89	103	1-186	13	30			
Dibenz(a,h)anthracene	102	112	44-154	9	30			
Benzo(g,h,i)perylene	96	110	32-150	12	30			

Batch number: 05224102201B	Sample number(s): 4581378-4581381				
Total Cyanide	92	52-135	N.D.	N.D.	200* (1) 17

Batch number: 05224117101A	Sample number(s): 4581390,4581392				
Total Cyanide	136*	82-114	0.66	0.68	4 20

Batch number: 052241848001	Sample number(s): 4581390,4581392
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\*- Outside of specification

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- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Thallium	104	103	89-112	1	20	N.D.	N.D.	56* (1)
Arsenic	104	105	86-119	0	20	N.D.	N.D.	962* (1)
Selenium	100	100	80-120	0	20	N.D.	N.D.	393* (1)
Antimony	103	103	80-120	0	20	0.0096 J	0.0072 J	29* (1)
Beryllium	100	100	91-117	0	20	N.D.	N.D.	40* (1)
Cadmium	104	104	87-117	0	20	N.D.	N.D.	24* (1)
Chromium	103	103	86-118	0	20	N.D.	N.D.	22* (1)
Copper	104	105	89-119	0	20	N.D.	N.D.	21* (1)
Lead	101	101	87-118	0	20	N.D.	N.D.	25* (1)
Nickel	101	102	91-111	1	20	N.D.	N.D.	85* (1)
Silver	111	111	80-120	0	20	N.D.	N.D.	77* (1)
Zinc	101	102	80-120	1	20	N.D.	N.D.	77* (1)
Batch number: 052245713001	Sample number(s): 4581390, 4581392							
Mercury	104	105	80-120	1	20	N.D.	N.D.	5 (1)
Batch number: 052250010A	Sample number(s): 4581392							
Ethylene dibromide	96		65-135			N.D.	N.D.	0 (1)
Batch number: 05227102201A	Sample number(s): 4581382-4581389							
Total Cyanide	94		52-135			N.D.	N.D.	0 (1)
Batch number: 05227113201A	Sample number(s): 4581378-4581386							
Phenols	74	74	38-175	0	26			
Batch number: 05227113201B	Sample number(s): 4581387-4581389							
Phenols	89	118	38-175	27*	26			
Batch number: W052291AA	Sample number(s): 4581390, 4581392							
Methyl Tertiary Butyl Ether	93	94	69-134	0	30			
t-Butyl alcohol	111	110	51-147	1	30			
Chloromethane	98	94	72-208	5	30			
Vinyl Chloride	99	101	81-150	1	30			
Bromomethane	81	81	59-143	0	30			
Chloroethane	99	90	63-142	10	30			
Trichlorofluoromethane	109	111	77-177	1	30			
1,1-Dichloroethene	100	103	87-145	2	30			
Methylene Chloride	92	93	79-133	0	30			
trans-1,2-Dichloroethene	97	98	82-133	1	30			
1,1-Dichloroethane	98	97	85-135	2	30			
cis-1,2-Dichloroethene	96	99	83-126	4	30			
Chloroform	97	98	82-131	1	30			
1,1,1-Trichloroethane	99	100	81-142	1	30			
Carbon Tetrachloride	102	101	79-155	1	30			
Benzene	99	99	83-128	0	30			
1,2-Dichloroethane	95	95	73-136	0	30			
Trichloroethene	98	99	83-136	1	30			
1,2-Dichloropropane	99	99	83-129	1	30			
Bromodichloromethane	93	94	80-129	1	30			
Toluene	101	100	83-127	1	30			
1,1,2-Trichloroethane	100	100	77-125	1	30			
Tetrachloroethene	99	99	78-133	1	30			
Dibromochloromethane	99	98	73-119	1	30			
Chlorobenzene	100	99	83-120	0	30			

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Ethylbenzene	102	103	82-129	1	30			
Bromoform	91	91	64-119	0	30			
1,1,2,2-Tetrachloroethane	101	99	69-121	2	30			
1,2-Dibromoethane	97	97	78-120	0	30			
trans-1,3-Dichloropropene	94	94	75-117	0	30			
cis-1,3-Dichloropropene	96	96	76-117	0	30			
Xylene (Total)	102	102	82-130	0	30			
Acrylonitrile	98	98	54-132	1	30			
Acrolein	84	86	21-153	1	30			
2-Chloroethyl Vinyl Ether	19	0*	1-172	200*	30			

Batch number: X052271AA	Sample number(s): 4581379,4581383,4581387
Methyl Tertiary Butyl Ether	99 49-140
t-Butyl alcohol	146 46-148
Chloromethane	134* 60-132
Vinyl Chloride	127* 60-126
Bromomethane	105 52-121
Chloroethane	125* 60-122
Trichlorofluoromethane	109 53-142
1,1-Dichloroethene	100 62-133
Methylene Chloride	61 59-135
trans-1,2-Dichloroethene	98 64-125
1,1-Dichloroethane	114 65-125
cis-1,2-Dichloroethene	101 63-125
Chloroform	102 65-126
1,1,1-Trichloroethane	97 59-134
Carbon Tetrachloride	95 53-138
Benzene	110 67-123
1,2-Dichloroethane	98 62-130
Trichloroethene	101 62-126
1,2-Dichloropropane	119 64-120
Bromodichloromethane	97 65-118
Toluene	114 55-125
1,1,2-Trichloroethane	107 62-122
Tetrachloroethene	102 45-151
Dibromochloromethane	97 62-120
Chlorobenzene	103 62-116
Ethylbenzene	108 50-127
Bromoform	88 52-123
1,1,2,2-Tetrachloroethane	133 37-142
1,2-Dibromoethane	100 62-116
trans-1,3-Dichloropropene	104 61-121
cis-1,3-Dichloropropene	101 54-122
Xylene (Total)	105 54-123
Acrolein	99 12-136
Acrylonitrile	105 47-125

### Surrogate Quality Control

Analysis Name: Pesticides/PCBs in Solids  
Batch number: 052230005A

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Surrogate Quality Control

	Tetrachloro-m-xylene	Decachlorobiphenyl
4581378	125	1752*
4581379	101	356*
4581380	158*	0*
4581381	170*	0*
4581382	179*	0*
4581383	90	100
4581384	241*	0*
4581385	0*	0*
4581386	151*	0*
4581387	132	570*
4581388	248*	0*
4581389	251*	0*
Blank	99	101
LCS	111	115
MS	162*	1374*
MSD	153*	952*
Limits:	58-149	62-159

Analysis Name: PPL Pesticides in Water  
Batch number: 052230008A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4581390	89	93
4581392	85	91
Blank	87	84
LCS	86	80
LCSD	87	73
Limits:	45-125	47-155

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05223SLA026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4581378	76	88	76	96
4581379	81	90	80	81
4581380	75	87	87	83
4581381	74	86	85	80
4581382	77	90	81	87
4581383	73	81	81	73
4581384	75	88	88	87
4581385	85	102	120	100
4581386	75	85	90	79
4581387	77	87	90	73
4581388	73	83	89	80
4581389	71	84	83	80
Blank	81	93	84	82
LCS	86	97	87	84
MS	77	86	73	92
MSD	80	90	79	97
Limits:	45-120	50-118	46-136	47-128
	2-Fluorobiphenyl	Terphenyl-d14		

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Surrogate Quality Control

4581378	98	105
4581379	98	107
4581380	93	101
4581381	89	103
4581382	97	102
4581383	81	99
4581384	100	106
4581385	96	131
4581386	93	108
4581387	88	104
4581388	88	98
4581389	89	110
Blank	98	115
LCS	96	124
MS	95	105
MSD	101	111

Limits: 55-123 51-158

Analysis Name: TCL SW846 Semivolatiles/Waters

Batch number: 05223WAC026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4581390	58	32	85	73
4581392	60	32	87	76
Blank	60	32	85	91
LCS	66	37	83	87
LCSD	63	35	83	92

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
4581390	97	106
4581392	96	106
Blank	96	112
LCS	99	104
LCSD	100	118

Limits: 64-112 52-151

Analysis Name: EDB in Wastewater

Batch number: 052250010A

1,1,2,2-Tetrachloroethane

4581392	98
Blank	103
DUP	91
LCS	101
LCSD	102
MS	104

Limits: 52-120

Analysis Name: 8260 Special Cmpds for Soils

Batch number: Q052241AB

Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Surrogate Quality Control

4581378	15*	0*	49*	45*
4581380	86	75	59*	62*
4581381	82	0*	72	68*
4581382	79	76	57*	56*
4581384	85	72	63*	61*
Blank	106	105	92	91
LCS	108	108	98	100
LCSD	106	105	95	100

Limits: 70-129 70-121 70-130 70-128

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: Q052282AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4581385	67*	53*	45*	46*
4581386	65*	59*	37*	31*
4581388	89	87	67*	68*
4581389	89	44*	65*	63*
Blank	116	114	99	96
LCS	108	110	96	101
LCSD	102	106	89	90

Limits: 70-129 70-121 70-130 70-128

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: R052271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4581391	110	113	106	94
Blank	104	107	102	89
LCS	107	110	107	103
LCSD	100	105	100	94

Limits: 70-129 70-121 70-130 70-128

Analysis Name: PPL + Xylene (total) by 8260  
Batch number: W052291AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4581390	95	97	104	102
4581392	94	97	106	101
Blank	95	98	103	102
LCS	96	98	103	104
MS	96	100	102	102
MSD	97	97	102	103

Limits: 81-120 82-112 85-112 83-113

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: X052271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4581379	86	82	100	83
4581383	84	83	91	85
4581387	87	83	96	80
Blank	85	84	91	84

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:12 PM

Group Number: 954923

### Surrogate Quality Control

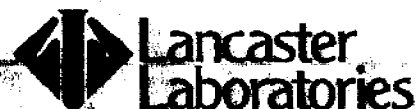
LCS	85	82	91	85
LCSD	84	81	91	85
MS	85	82	94	82
Limits:	70-129	70-121	70-130	70-128

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

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- (2) The background result was more than four times the spike added.





# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 954923

Sample Nos.: 4581378-92

Acc't No.: 11549

SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix:		Analyses Requested												Remarks:			
Project Manager: _____		Quote #: _____																			
Project Name/#: <u>Former Metro Container Investigation</u>																					
P.O. #: _____																					
Name of state where samples were collected: <u>PA</u>																					
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOCs, SVOCs, TBA, EDB	VOA TICs - 15	PPL SVOCs + 1-MN	SVOC TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture			
<u>05-MET-116</u>		<u>8/10/05</u>	<u>0800</u>	<u>X</u>		<u>X</u>			<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N (12.5'-13')</u>		
<u>05-MET-125</u>		<u>11</u>	<u>0820</u>	<u>X</u>		<u>X</u>			<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N (8.5'-9')</u>		
<u>05-MET-126</u>		<u>11</u>	<u>0930</u>	<u>X</u>		<u>X</u>			<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N (8.5'-9')</u>		
<u>05-MET-120</u>		<u>11</u>	<u>1030</u>	<u>X</u>		<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N (8.5'-9')</u>		
<u>05-MET-121</u>		<u>11</u>	<u>1140</u>	<u>X</u>		<u>X</u>			<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N (8.5'-9')</u>		
<u>05-MET-096</u>		<u>11</u>	<u>1130</u>	<u>X</u>		<u>X</u>			<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N (18.5'-19')</u>		

Turnaround Time Requested (TAT) (please circle): Normal Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed: \_\_\_\_\_

Rush results requested by (please circle): Fax Email

Fax #: \_\_\_\_\_ Email address: \_\_\_\_\_

Data Package Options (please circle if required)

QC Summary

Type I (Tier I)

Type II (Tier II)

Type III (NJ Reduced Del.)

Type IV (CLP)

Type VI (Raw Data)

GLP

Other

SDG Complete ?  
Yes No

Site specific QC required? Yes No  
(If yes, indicate QC sample and submit triplicate volume.)  
Internal chain of custody required? Yes No

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
<del>Relinquished by:</del>	<del>Date:</del>	<del>Time:</del>	<del>Received by:</del>	<del>Date:</del>	<del>Time:</del>
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
				<u>8/10/05</u>	<u>1815</u>



# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 954923

Sample Nos.: 4581378-92

Acc't No.: 11549

SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix		Analyses Requested												Remarks:	
Project Manager: _____		Quote #: _____																	
Project Name#: <u>Former Metro Container Investigation</u>																			
Sampler: _____																			
P.O. #: _____																			
Name of state where samples were collected: <u>PA</u>																			
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAa, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture		
05-MET-111	8/10/05	750	/	/	/	/	/	2	/	/	/	/	/	/	/	/	/		N (12.75-13.75)
05-MET-107		830	/	/	/	/	/		/	/	/	/	/	/	/	/	/		N (7.5-8.0)
05-MET-101		935	/	/	/	/	/		/	/	/	/	/	/	/	/	/		N (12-12.5)
05-MET-095		1020	/	/	/	/	/		/	/	/	/	/	/	/	/	/		N (12.5-13)
05-MET-096		1115	/	/	/	/	/		/	/	/	/	/	/	/	/	/		N (8.75-9.25)
05-MET-096A		1120	/	/	/	/	/		/	/	/	/	/	/	/	/	/		FD (8.75-9.25)
EB081005W		1340	/	/	X	/	/	1	/	/	/	/	/	/	/	/	/		EB
TB081005S			/	/	X	/	/	1	X	X									TB
EB080905S	8/9/05	0845																	EB
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush Relinquished by: _____								Date: <u>8/10/05</u>	Time: <u>1615</u>	Received by: _____		Date: <u>8/10/05</u>	Time: <u>1615</u>						
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)																			
Date results are needed: _____								Date: <u>8/10/05</u>	Time: <u>1815</u>	Received by: _____		Date: <u>8/10/05</u>	Time: <u>1815</u>						
Rush results requested by (please circle): Fax Email																			
Fax #: _____ Email address: _____																			
Data Package Options (please circle if required)					SDG Complete? Yes No		Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
QC Summary							Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Type I (Tier I)							Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Type II (Tier II)																			
Type III (NJ Reduced Del.)																			
Type IV (CLP)																			
Type VI (Raw Data)																			
GLP																			
Other																			
Site specific QC required? Yes No																			
(If yes, indicate QC sample and submit triplicate volume.)																			
Internal chain of custody required? Yes No																			

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR100706

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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REVISED

**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 954924. Samples arrived at the laboratory on Wednesday, August 10, 2005. The PO# for this group is 2111133.5640.010101.


<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-126 Grab Water Sample	4581393
05-MET-126 Filtered Grab Water Sample	4581394
05-MET-125 Grab Water Sample	4581395
05-MET-125 Filtered Grab Water Sample	4581396
05-MET-095 Grab Water Sample	4581397
05-MET-095 Filtered Grab Water Sample	4581398
05-MET-096 Grab Water Sample	4581399
05-MET-096 Filtered Grab Water Sample	4581400
05-MET-116 Grab Water Sample	4581401
05-MET-111 Grab Water Sample	4581402
05-MET-111 Filtered Grab Water Sample	4581403
05-MET-107 Grab Water Sample	4581404
05-MET-107 Filtered Grab Water Sample	4581405
05-MET-107A Grab Water Sample	4581406
05-MET-107A Filtered Grab Water Sample	4581407
05-MET-121 Grab Water Sample	4581408
05-MET-121 Filtered Grab Water Sample	4581409
05-MET-101 Grab Water Sample	4581410
05-MET-101 Filtered Grab Water Sample	4581411
05-MET-115 Grab Water Sample	4581412
05-MET-115 Filtered Grab Water Sample	4581413
05-MET-123 Grab Water Sample	4581414
05-MET-123 Filtered Grab Water Sample	4581415
05-MET-105 Grab Water Sample	4581416
05-MET-105 Filtered Grab Water Sample	4581417

REVISED

05-MET-110 Grab Water Sample	4581418
05-MET-110 Filtered Grab Water Sample	4581419
05-MET-099 Grab Water Sample	4581420
05-MET-099 Filtered Grab Water Sample	4581421
05-MET-092 Grab Water Sample	4581422
05-MET-092 Filtered Grab Water Sample	4581423
05-MET-122 Grab Water Sample	4581424
05-MET-114 Grab Water Sample	4581425
EB-080905W Equipment Blank Grab Water Sample	4581426
TB-080905 Trip Blank Water Sample	4581427

1 COPY TO      Montgomery Watson Harza

Attn: 

Questions? Contact your Client Services Representative  
 at (717) 656-2300

Respectfully Submitted,

  
Senior Specialist

Lancaster Laboratories Sample No. WW 4581393

05-MET-126 Grab Water Sample  
N(0.5-15.5)  
Former Metro Container Investigation

Collected: 08/10/2005 15:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:30  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-126

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	12.6 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	120.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	22.9	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	13.9 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	4.0 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	5.8	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	250.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	657.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	258.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	185.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,410.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	910.	45.	150.	ug/l	5
The pH of this container was adjusted to <2 after receipt.							
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.10	0.50	ug/l	5
01601	Beta BHC	319-85-7	N.D.	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.10	0.50	ug/l	5
01603	Delta BHC	319-86-8	N.D.	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.10	0.50	ug/l	5
01605	Aldrin	309-00-2	N.D.	0.25	1.0	ug/l	5
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.10	0.50	ug/l	5
01607	p,p-DDE	72-55-9	N.D.	0.20	1.0	ug/l	5
01608	p,p-DDD	72-54-8	N.D.	0.30	1.0	ug/l	5
01609	p,p-DDT	50-29-3	N.D.	0.30	1.0	ug/l	5
01610	Dieldrin	60-57-1	N.D.	0.50	1.5	ug/l	5
01611	Endrin	72-20-8	N.D.	0.20	1.0	ug/l	5
01612	Chlordane	57-74-9	N.D.	3.5	25.	ug/l	5
01613	Toxaphene	8001-35-2	N.D.	15.	50.	ug/l	5
01615	Endosulfan II	33213-65-9	N.D.	0.20	1.0	ug/l	5
01616	Endosulfan I	959-98-8	N.D.	0.10	0.50	ug/l	5
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.30	1.0	ug/l	5
01618	Endrin Aldehyde	7421-93-4	N.D.	1.2	5.0	ug/l	5
01619	PCB-1016	12674-11-2	N.D.	5.0	25.	ug/l	5
01620	PCB-1221	11104-28-2	N.D.	5.5	25.	ug/l	5
01621	PCB-1232	11141-16-5	N.D.	5.0	25.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100710



Lancaster Laboratories Sample No. WW 4581393

05-MET-126 Grab Water Sample

N(0.5-15.5)

Former Metro Container Investigation

Collected: 08/10/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:30

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-126

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
01622	PCB-1242	53469-21-9	N.D.	5.0	25.	ug/l	5
01623	PCB-1248	12672-29-6	N.D.	5.0	25.	ug/l	5
01624	PCB-1254	11097-69-1	N.D.	7.0	25.	ug/l	5
01626	PCB-1260	11096-82-5	N.D.	5.0	25.	ug/l	5
01860	Methoxychlor	72-43-5	N.D.	1.5	5.0	ug/l	5
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	3. J	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	2. J	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	20.	61.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	31.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	15.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100711

Lancaster Laboratories Sample No. WW 4581393

05-MET-126 Grab Water Sample

N(0.5-15.5)

Former Metro Container Investigation

Collected: 08/10/2005 15:00

by █

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:30

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-126

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	2. J	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	8.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	6.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	4. J	1.	5.	ug/l	1
03967	Pyrene	129-00-0	40.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	20.	61.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	33.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	44.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	16.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	6.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	32.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	14.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	18.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	34.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100712

Lancaster Laboratories Sample No. WW 4581393

05-MET-126 Grab Water Sample  
N(0.5-15.5)  
Former Metro Container Investigation

Collected: 08/10/2005 15:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:30  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-126

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	2. J	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR100713

Lancaster Laboratories Sample No. WW 4581393

05-MET-126 Grab Water Sample

N(0.5-15.5)

Former Metro Container Investigation

Collected: 08/10/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Montgomery Watson Harza

Reported: 09/28/2005 at 13:30

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

W-126

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:06	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/15/2005 04:44	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 11:40	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 11:40	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 11:40	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 11:40	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 11:40	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 11:40	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 11:40	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 11:40	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 11:40	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 11:40	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 11:40	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 10:24	[REDACTED]	5
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 17:25	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/15/2005 23:36	[REDACTED]	5
07879	EDB	SW-846 8011	1	08/18/2005 03:02	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 18:22	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/18/2005 08:46	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/18/2005 08:46	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100714



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8  
REVISED

Lancaster Laboratories Sample No. WW 4581393

05-MET-126 Grab Water Sample

N(0.5-15.5)

Former Metro Container Investigation

Collected: 08/10/2005 15:00

by

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:30

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-126

08123	Phenol Distillation (SW-846)	SW-846 9065
08256	Cyanide Water Distillation	SW-846 9012A

1	08/16/2005 14:15		1
1	08/12/2005 10:00		1

\*=This limit was used in the evaluation of the final result

AR100715

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581393  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09137.i/05aug17a.b/wg17s23.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown aromatic	14.31	7	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) WATER Lab Sample ID: 4581393  
Sample wt/vol: 981 (g/mL) mL Lab File ID: oh0421.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture:                      Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1,1'-Biphenyl, 2-fluoro-	5.594	48	JX
2.	Unknown Cycloalkane	5.944	35	J
3.	Unknown Cycloalkane	6.160	35	J
4.	Unknown Alkane	6.959	33	J
5.	Unknown Alkane	7.469	34	J
6.	Unknown Cycloalkane	8.133	39	J
7.	Unknown Alkane	8.244	49	J
8.	Unknown Cycloalkane	8.275	40	J
9.	Unknown	8.373	39	J
10.	Unknown Cycloalkane	8.594	43	J
11.	Unknown Cycloalkane	8.803	52	J
12.	Unknown	8.969	46	J
13.	Unknown Cycloalkane	9.203	38	J
14.	Unknown	9.363	35	J
15.	Unknown	9.388	35	J
16.	Unknown	9.640	43	J
17.	Unknown	9.830	45	J
18.	Unknown	9.923	46	J
19.	Unknown	10.187	57	J
20.	Unknown	10.451	34	J
21.	Benz[e]acephenanthrylene	10.556	34	JX
22.	Unknown	11.128	41	J
23.	Unknown	11.244	46	J
24.	Unknown	11.743	47	J
25.	Unknown	11.915	53	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100717



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4581394

05-MET-126 Filtered Grab Water Sample  
N(0.5-15.5)  
Former Metro Container Investigation

Collected: 08/10/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	39.9		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	15.1		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	6.0 J		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	7.6 J		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/15/2005 13:08	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/15/2005 04:49	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 11:45	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 11:45	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 11:45	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 11:45	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 11:45	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 11:45	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 11:45	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 11:45	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 11:45	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 11:45	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 11:45	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100718

Lancaster Laboratories Sample No. WW 4581395

05-MET-125 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/10/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-125

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	138.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	21.0	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	10.2 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	8.6	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	1.2 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	240.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	223.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	341.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	193.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	3.4 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,090.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	410.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	15.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.10	0.50	ug/l	5
01601	Beta BHC	319-85-7	N.D.	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.10	0.50	ug/l	5
01603	Delta BHC	319-86-8	N.D.	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.10	0.50	ug/l	5
01605	Aldrin	309-00-2	N.D.	0.25	1.0	ug/l	5
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.10	0.50	ug/l	5
01607	p,p-DDE	72-55-9	1.4	0.20	1.0	ug/l	5
01608	p,p-DDD	72-54-8	N.D.	0.30	1.0	ug/l	5
01609	p,p-DDT	50-29-3	0.56 J	0.30	1.0	ug/l	5
01610	Dieldrin	60-57-1	N.D.	0.50	1.5	ug/l	5
01611	Endrin	72-20-8	1.0	0.20	1.0	ug/l	5
01612	Chlordane	57-74-9	N.D.	3.5	25.	ug/l	5
01613	Toxaphene	8001-35-2	N.D.	15.	50.	ug/l	5
01615	Endosulfan II	33213-65-9	N.D.	0.20	1.0	ug/l	5
01616	Endosulfan I	959-98-8	0.48 J	0.10	0.50	ug/l	5
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.30	1.0	ug/l	5
01618	Endrin Aldehyde	7421-93-4	N.D.	1.2	5.0	ug/l	5
01619	PCB-1016	12674-11-2	N.D.	5.0	25.	ug/l	5
01620	PCB-1221	11104-28-2	N.D.	5.5	25.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100719

Lancaster Laboratories Sample No. WW 4581395

05-MET-125 Grab Water Sample

N(0-16)

Former Metro Container Investigation

Collected: 08/10/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:31

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-125

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	5.0	25.	ug/l	5
01622	PCB-1242	53469-21-9	N.D.	5.0	25.	ug/l	5
01623	PCB-1248	12672-29-6	N.D.	5.0	25.	ug/l	5
01624	PCB-1254	11097-69-1	N.D.	7.0	25.	ug/l	5
01626	PCB-1260	11096-82-5	N.D.	5.0	25.	ug/l	5
01860	Methoxychlor	72-43-5	N.D.	1.5	5.0	ug/l	5
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.							
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0098	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	100.	500.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	170.	J 100.	500.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	100.	500.	ug/l	1
03925	Phenol	108-95-2	160.	J 100.	500.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	100.	500.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	300.	1,000.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	100.	500.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	100.	500.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	100.	500.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	2,000.	6,000.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	1,000.	3,000.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	500.	1,500.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	300.	1,500.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	200.	500.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	100.	500.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	100.	500.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	100.	500.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	100.	500.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	100.	500.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	100.	500.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	100.	500.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	100.	500.	ug/l	1
03944	Isophorone	78-59-1	N.D.	100.	500.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	100.	500.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100720

Lancaster Laboratories Sample No. WW 4581395

05-MET-125 Grab Water Sample

N(0-16)

Former Metro Container Investigation

Collected: 08/10/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:31

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-125

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	100.	500.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	100.	500.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	100.	500.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	500.	1,500.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	100.	500.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	100.	500.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	200.	500.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	100.	500.	ug/l	1
03954	Acenaphthene	83-32-9	190. J	100.	500.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	100.	500.	ug/l	1
03956	Fluorene	86-73-7	240. J	100.	500.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	100.	500.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	200.	500.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	100.	500.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	200.	500.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	100.	500.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	100.	500.	ug/l	1
03963	Phenanthrene	85-01-8	1,400.	100.	500.	ug/l	1
03964	Anthracene	120-12-7	630.	100.	500.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	200.	500.	ug/l	1
03966	Fluoranthene	206-44-0	640.	100.	500.	ug/l	1
03967	Pyrene	129-00-0	5,300.	100.	500.	ug/l	1
03968	Benzidine	92-87-5	N.D.	2,000.	6,000.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	200.	500.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	4,100.	100.	500.	ug/l	1
03971	Chrysene	218-01-9	5,800.	100.	500.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	200.	500.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	200.	500.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	200.	500.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	2,400.	100.	500.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	670.	100.	500.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	3,400.	100.	500.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	1,500.	100.	500.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	2,200.	100.	500.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	4,000.	100.	500.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4581395

05-MET-125 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/10/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-125

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	21. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR100722



Lancaster Laboratories Sample No. WW 4581395

05-MET-125 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/10/2005 15:10 by [REDACTED] Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-125

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:09	<span style="background-color: black; color: black;">[REDACTED]</span>	10
07022	Thallium	SW-846 6010B	1	08/15/2005 04:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 11:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/13/2005 11:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/13/2005 11:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 11:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 11:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/13/2005 11:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/13/2005 11:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/13/2005 11:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/13/2005 11:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/13/2005 11:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/13/2005 11:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/18/2005 10:25	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 17:49	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/15/2005 23:57	<span style="background-color: black; color: black;">[REDACTED]</span>	5
07879	EDB	SW-846 8011	1	08/18/2005 04:02	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 18:43	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 04:37	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 04:37	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.

\*=This limit was used in the evaluation of the final result

AR100723



# Analysis Report

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Page 6 of 8  
REVISED

Lancaster Laboratories Sample No. WW 4581395

05-MET-125 Grab Water Sample

N(0-16)

Former Metro Container Investigation

Collected: 08/10/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:31

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-125

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100724

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581395  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s40.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.86	120	J
2. 74-93-1	Methanethiol	2.38	5	J
3.	Unknown aromatic	14.07	5	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100725

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) WATER Lab Sample ID: 4581395  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0422.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture:                      Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	4.998	3500	J
2.	!Unknown Alkane	5.053	3300	J
3.	!Unknown Alkane	5.231	2900	J
4.	!Unknown Alkane	5.920	2900	J
5.	!Unknown Cycloalkane	6.811	2300	J
6.	!Unknown Alkane	6.959	4300	J
7.	!Unknown Alkane	7.469	2600	J
8.	!Unknown Cycloalkane	7.580	2900	J
9.	!Unknown Cycloalkane	7.783	7400	J
10.	!Unknown Cycloalkane	7.937	3700	J
11.	!Unknown Cycloalkane	8.047	3300	J
12.	!Unknown Cycloalkane	8.127	5500	J
13.	!Unknown Cycloalkane	8.275	5000	J
14.	!Unknown Alkane	9.111	2400	J
15.	!Unknown Alkane	9.216	3600	J
16.	!Unknown Cycloalkane	9.363	3000	J
17.	!Unknown Cycloalkane	9.646	4000	J
18.	!Benz[a]anthracene, 1-methyl-	9.830	3600	JX
19.	!Unknown	9.917	4300	J
20.	!Unknown Alkane	10.095	3700	J
21.	!Unknown	10.187	6800	J
22.	!Unknown	10.445	3100	J
23.	!Benz[e]acephenanthrylene	10.556	2500	JX
24.	!Unknown Alkane	10.777	3400	J
25.	!Unknown	11.091	2600	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100726



# Analysis Report

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Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4581396

05-MET-125 Filtered Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/10/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	125.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	0.96	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	104.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	19.9	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	33.6	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	62.6	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	122.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:10	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/15/2005 04:58	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 11:54	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 11:54	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 11:54	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 11:54	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 11:54	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 11:54	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 11:54	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 11:54	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 11:54	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 11:54	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 11:54	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100727

**Lancaster Laboratories Sample No. WW 4581396**

**05-MET-125 Filtered Grab Water Sample  
N(0-16)  
Former Metro Container Investigation**

Collected: 08/10/2005 15:10 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009



Lancaster Laboratories Sample No. WW 4581397

05-MET-095 Grab Water Sample  
N(3-13)  
Former Metro Container Investigation

Collected: 08/10/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-095

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	3.5 J	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	155.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	14.3 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	9.3 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	16.6	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	7.0	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	344.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	246.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	811.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	237.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	2,390.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	30. J	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	0.18 J	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	0.051 J	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100729

Lancaster Laboratories Sample No. WW 4581397

05-MET-095 Grab Water Sample  
N(3-13)  
Former Metro Container Investigation

Collected: 08/10/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-095

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0099	0.030	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	50.	250.	ug/l	5
02752	1-Methylnaphthalene	90-12-0	N.D.	50.	250.	ug/l	5
03924	2-Chlorophenol	95-57-8	N.D.	50.	250.	ug/l	5
03925	Phenol	108-95-2	N.D.	50.	250.	ug/l	5
03926	2-Nitrophenol	88-75-5	N.D.	50.	250.	ug/l	5
03927	2,4-Dimethylphenol	105-67-9	N.D.	150.	500.	ug/l	5
03928	2,4-Dichlorophenol	120-83-2	N.D.	50.	250.	ug/l	5
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	50.	250.	ug/l	5
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	50.	250.	ug/l	5
03931	2,4-Dinitrophenol	51-28-5	N.D.	1,000.	3,000.	ug/l	5
03932	4-Nitrophenol	100-02-7	N.D.	500.	1,500.	ug/l	5
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	250.	750.	ug/l	5
03934	Pentachlorophenol	87-86-5	N.D.	150.	750.	ug/l	5
03935	N-Nitrosodimethylamine	62-75-9	N.D.	100.	250.	ug/l	5
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	50.	250.	ug/l	5
03937	1,3-Dichlorobenzene	541-73-1	N.D.	50.	250.	ug/l	5
03938	1,4-Dichlorobenzene	106-46-7	N.D.	50.	250.	ug/l	5
03939	1,2-Dichlorobenzene	95-50-1	N.D.	50.	250.	ug/l	5
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	50.	250.	ug/l	5
03941	Hexachloroethane	67-72-1	N.D.	50.	250.	ug/l	5
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	50.	250.	ug/l	5
03943	Nitrobenzene	98-95-3	N.D.	50.	250.	ug/l	5
03944	Isophorone	78-59-1	N.D.	50.	250.	ug/l	5
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	50.	250.	ug/l	5
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	50.	250.	ug/l	5
03947	Naphthalene	91-20-3	N.D.	50.	250.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100730

Lancaster Laboratories Sample No. WW 4581397

05-MET-095 Grab Water Sample

N(3-13)

Former Metro Container Investigation

Collected: 08/10/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:31

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-095

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03948	Hexachlorobutadiene	87-68-3	N.D.	50.	250.	ug/l	5
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	250.	750.	ug/l	5
03950	2-Chloronaphthalene	91-58-7	N.D.	50.	250.	ug/l	5
03951	Acenaphthylene	208-96-8	120. J	50.	250.	ug/l	5
03952	Dimethylphthalate	131-11-3	N.D.	100.	250.	ug/l	5
03953	2,6-Dinitrotoluene	606-20-2	N.D.	50.	250.	ug/l	5
03954	Acenaphthene	83-32-9	150. J	50.	250.	ug/l	5
03955	2,4-Dinitrotoluene	121-14-2	N.D.	50.	250.	ug/l	5
03956	Fluorene	86-73-7	210. J	50.	250.	ug/l	5
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	50.	250.	ug/l	5
03958	Diethylphthalate	84-66-2	N.D.	100.	250.	ug/l	5
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	50.	250.	ug/l	5
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	100.	250.	ug/l	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	50.	250.	ug/l	5
03962	Hexachlorobenzene	118-74-1	N.D.	50.	250.	ug/l	5
03963	Phenanthrene	85-01-8	520.	50.	250.	ug/l	5
03964	Anthracene	120-12-7	280.	50.	250.	ug/l	5
03965	Di-n-butylphthalate	84-74-2	N.D.	100.	250.	ug/l	5
03966	Fluoranthene	206-44-0	1,100.	50.	250.	ug/l	5
03967	Pyrene	129-00-0	1,100.	50.	250.	ug/l	5
03968	Benzidine	92-87-5	N.D.	1,000.	3,000.	ug/l	5
03969	Butylbenzylphthalate	85-68-7	N.D.	100.	250.	ug/l	5
03970	Benzo(a)anthracene	56-55-3	910.	50.	250.	ug/l	5
03971	Chrysene	218-01-9	670.	50.	250.	ug/l	5
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	100.	250.	ug/l	5
03973	bis(2-Ethylhexyl)phthalate	117-81-7	370.	100.	250.	ug/l	5
03974	Di-n-octylphthalate	117-84-0	N.D.	100.	250.	ug/l	5
03975	Benzo(b)fluoranthene	205-99-2	990.	50.	250.	ug/l	5
03976	Benzo(k)fluoranthene	207-08-9	530.	50.	250.	ug/l	5
03977	Benzo(a)pyrene	50-32-8	680.	50.	250.	ug/l	5
03978	Indeno(1,2,3-cd)pyrene	193-39-5	490.	50.	250.	ug/l	5
03979	Dibenz(a,h)anthracene	53-70-3	200. J	50.	250.	ug/l	5
03980	Benzo(g,h,i)perylene	191-24-2	500.	50.	250.	ug/l	5

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile

\*=This limit was used in the evaluation of the final result

AR100731

Lancaster Laboratories Sample No. WW 4581397

05-MET-095 Grab Water Sample  
N(3-13)  
Former Metro Container Investigation

Collected: 08/10/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-095

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
	compounds were raised.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

\*=This limit was used in the evaluation of the final result

AR100732

Lancaster Laboratories Sample No. WW 4581397

05-MET-095 Grab Water Sample  
N(3-13)  
Former Metro Container Investigation

Collected: 08/10/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:31

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-095

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:12	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/15/2005 05:03	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 11:59	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 11:59	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 11:59	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 11:59	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 11:59	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 11:59	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 11:59	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 11:59	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 11:59	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 11:59	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 11:59	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 10:26	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 17:50	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 00:17	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/18/2005 05:02	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 19:04	[REDACTED]	5
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 05:00	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100733

Lancaster Laboratories Sample No. WW 4581397

05-MET-095 Grab Water Sample  
N(3-13)  
Former Metro Container Investigation

Collected: 08/10/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:31

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-095

00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 05:00	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581397  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s41.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100735

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
! \_\_\_\_\_!  
! W-095  
! \_\_\_\_\_!

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581397  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0423.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 5  
GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.470	870	J
2.	!Unknown	5.508	730	J
3.	!Anthracene, 2-methyl-	7.807	760	JX
4.	!Unknown	8.226	450	J
5.	!7H-Benzo[c]fluorene	8.834	630	JX
6.	!Triphenylene, 2-methyl-	9.818	530	JX
7.	!Unknown	9.886	1000	J
8.	!Unknown	10.070	510	J
9.	!4,5,11,12-Tetrahydrobenzo[A]	10.175	800	JX
10.	!Unknown	10.285	540	J
11.	!Benzo[a]pyrene	10.402	800	JX
12.	!Benz[e]acephenanthrylene	10.531	1100	JX
13.	!11H-Indeno[2,1-a]phenanthren	10.759	920	JX
14.	!Unknown	10.814	770	J
15.	!Unknown	10.876	520	J
16.	!Unknown	10.931	880	J
17.	!Unknown	10.980	600	J
18.	!Unknown	11.029	910	J
19.	!Unknown	11.085	1300	J
20.	!Indeno[1,2,3-cd]fluoranthene	11.177	560	JX
21.	!Unknown	11.245	1200	J
22.	!Unknown	11.312	460	J
23.	!1,2:7,8-Dibenzophenanthrene	11.484	1200	JX
24.	!Indeno[1,2,3-cd]pyrene	11.706	830	JX
25.	!Unknown	11.884	670	J
26.	_____	_____	_____	_____
27.	_____	_____	_____	_____
28.	_____	_____	_____	_____
29.	_____	_____	_____	_____
30.	_____	_____	_____	_____

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100736



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4581398

05-MET-095 Filtered Grab Water Sample  
N(3-13)  
Former Metro Container Investigation

Collected: 08/10/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:32  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method Detection Limit*	Limit of Quantitation		
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	30.6	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/15/2005 13:14	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/15/2005 05:08	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 12:04	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 12:04	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 12:04	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 12:04	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 12:04	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 12:04	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 12:04	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 12:04	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 12:04	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 12:04	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 12:04	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100737

Lancaster Laboratories Sample No. WW 4581399

05-MET-096 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-096

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	6.2	20.0	ug/l	100
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	49.1	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	10.6 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	15.8 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	18.2	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	19.5	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	513.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	203.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	560.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	109.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	2.4 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,680.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	220.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	37.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.10	0.50	ug/l	5
01601	Beta BHC	319-85-7	N.D.	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.10	0.50	ug/l	5
01603	Delta BHC	319-86-8	N.D.	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.10	0.50	ug/l	5
01605	Aldrin	309-00-2	N.D.	0.25	1.0	ug/l	5
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.10	0.50	ug/l	5
01607	p,p-DDE	72-55-9	N.D.	2.1	2.1	ug/l	5
01608	p,p-DDD	72-54-8	N.D.	0.30	1.0	ug/l	5
01609	p,p-DDT	50-29-3	N.D.	0.30	1.0	ug/l	5
01610	Dieldrin	60-57-1	N.D.	2.1	2.1	ug/l	5
01611	Endrin	72-20-8	N.D.	0.20	1.0	ug/l	5
01612	Chlordane	57-74-9	N.D.	3.5	25.	ug/l	5
01613	Toxaphene	8001-35-2	N.D.	15.	50.	ug/l	5
01615	Endosulfan II	33213-65-9	N.D.	0.20	1.0	ug/l	5
01616	Endosulfan I	959-98-8	N.D.	0.10	0.50	ug/l	5
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.30	1.0	ug/l	5
01618	Endrin Aldehyde	7421-93-4	N.D.	1.2	5.0	ug/l	5
01619	PCB-1016	12674-11-2	N.D.	5.0	25.	ug/l	5
01620	PCB-1221	11104-28-2	N.D.	5.5	25.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100738

Lancaster Laboratories Sample No. WW 4581399

05-MET-096 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-096

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	5.0	25.	ug/l	5
01622	PCB-1242	53469-21-9	N.D.	5.0	25.	ug/l	5
01623	PCB-1248	12672-29-6	58.	5.0	25.	ug/l	5
01624	PCB-1254	11097-69-1	52.	7.0	25.	ug/l	5
01626	PCB-1260	11096-82-5	37.	5.0	25.	ug/l	5
01860	Methoxychlor	72-43-5	N.D.	1.5	5.0	ug/l	5
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and dieldrin. Despite cleanup methods, we were unable to reach our usual quantitation limits. Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.010	0.030	ug/l	1
The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	50.	250.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	50.	250.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	50.	250.	ug/l	1
03925	Phenol	108-95-2	62. J	50.	250.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	50.	250.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	150.	500.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	50.	250.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	50.	250.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	50.	250.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	1,000.	3,000.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	500.	1,500.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	250.	750.	ug/l	1
03934	Pentachlorophenol	87-86-5	260. J	150.	750.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	100.	250.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	50.	250.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	50.	250.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	50.	250.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	50.	250.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	50.	250.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	50.	250.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	50.	250.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100739

Lancaster Laboratories Sample No. WW 4581399

05-MET-096 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 14:00

by █

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-096

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03943	Nitrobenzene	98-95-3	N.D.	50.	250.	ug/l	1
03944	Isophorone	78-59-1	N.D.	50.	250.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	50.	250.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	50.	250.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	50.	250.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	50.	250.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	250.	750.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	50.	250.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	50.	250.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	100.	250.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	50.	250.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	50.	250.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	50.	250.	ug/l	1
03956	Fluorene	86-73-7	N.D.	50.	250.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	50.	250.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	100.	250.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	50.	250.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	100.	250.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	50.	250.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	50.	250.	ug/l	1
03963	Phenanthrene	85-01-8	J 79.	50.	250.	ug/l	1
03964	Anthracene	120-12-7	N.D.	50.	250.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	100.	250.	ug/l	1
03966	Fluoranthene	206-44-0	100. J	50.	250.	ug/l	1
03967	Pyrene	129-00-0	340.	50.	250.	ug/l	1
03968	Benzidine	92-87-5	N.D.	1,000.	3,000.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	100.	250.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	260.	50.	250.	ug/l	1
03971	Chrysene	218-01-9	350.	50.	250.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	100.	250.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	640.	100.	250.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	100.	250.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	240. J	50.	250.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	59. J	50.	250.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	400.	50.	250.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	260.	50.	250.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	330.	50.	250.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	630.	50.	250.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100740



Lancaster Laboratories Sample No. WW 4581399

05-MET-096 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-096

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	3. J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	38. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	8.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	3. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	31.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	4. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	2. J	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	28.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	1. J	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	7.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	22.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

\*=This limit was used in the evaluation of the final result

AR100741

Lancaster Laboratories Sample No. WW 4581399

05-MET-096 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:33

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-096

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	2	08/15/2005 13:23	[REDACTED]	100
07022	Thallium	SW-846 6010B	1	08/15/2005 05:12	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 12:08	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 12:08	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 12:08	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 12:08	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 12:08	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 12:08	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 12:08	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 12:08	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 12:08	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 12:08	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 12:08	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 10:27	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 17:55	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 14:25	[REDACTED]	5
07879	EDB	SW-846 8011	1	08/18/2005 06:01	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 19:25	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 05:22	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100742

Lancaster Laboratories Sample No. WW 4581399

05-MET-096 Grab Water Sample

N(5-15)

Former Metro Container Investigation

Collected: 08/10/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:33

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-096

00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 05:22	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581399  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s42.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.82	74	J
2. 74-93-1	Methanethiol	2.37	41	J
3.	Unknown	3.69	4000	J
4.	Unknown	4.57	10	J
5.	Unknown	14.98	7	J
6.				
7.				
8.				
9.				
10.				
11.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100744

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581399  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0424.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	5.539	840	J
2.	!Unknown	6.338	1400	J
3.	!Unknown Alkane	6.953	940	J
4.	!Unknown	8.041	2500	J
5.	!Unknown	8.121	1700	J
6.	!Unknown	8.182	2300	J
7.	!Unknown Alkane	8.232	5700	J
8.	!Unknown Alkane	8.951	870	J
9.	!Unknown Alkane	9.222	1500	J
10.	!Unknown Alkane	9.363	880	J
11.	!Unknown	9.634	950	J
12.	!Unknown	9.695	840	J
13.	!Unknown	9.818	950	J
14.	!Unknown Alkane	9.880	1000	J
15.	!Unknown Alkane	9.941	1800	J
16.	!Unknown Alkane	10.089	3000	J
17.	!Unknown Alkane	10.150	4100	J
18.	!Unknown	10.285	3000	J
19.	!Unknown Alkane	10.421	3300	J
20.	!Unknown	10.513	4500	J
21.	!Unknown Alkane	10.679	2600	J
22.	!Unknown	10.765	1300	J
23.	!Unknown	10.814	2800	J
24.	!Unknown Alkane	10.937	2900	J
25.	!Unknown	11.085	1000	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100745



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4581400

05-MET-096 Filtered Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	9.6 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT	Analysis						Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
00259	Mercury	SW-846 7470A	1	08/15/2005 13:24		1	
07022	Thallium	SW-846 6010B	1	08/15/2005 03:57		1	
07035	Arsenic	SW-846 6010B	1	08/13/2005 10:53		1	
07036	Selenium	SW-846 6010B	1	08/13/2005 10:53		1	
07044	Antimony	SW-846 6010B	1	08/13/2005 10:53		1	
07047	Beryllium	SW-846 6010B	1	08/13/2005 10:53		1	
07049	Cadmium	SW-846 6010B	1	08/13/2005 10:53		1	
07051	Chromium	SW-846 6010B	1	08/13/2005 10:53		1	
07053	Copper	SW-846 6010B	1	08/13/2005 10:53		1	
07055	Lead	SW-846 6010B	1	08/13/2005 10:53		1	
07061	Nickel	SW-846 6010B	1	08/13/2005 10:53		1	
07066	Silver	SW-846 6010B	1	08/13/2005 10:53		1	
07072	Zinc	SW-846 6010B	1	08/13/2005 10:53		1	
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58		1	
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30		1	

\*=This limit was used in the evaluation of the final result

AR100746



Lancaster Laboratories Sample No. WW 4581401

05-MET-116 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/10/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-116

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.10	0.31	ug/l	10
	Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	98.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	0.7 J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	2. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	0.8 J	0.8	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100747

Lancaster Laboratories Sample No. WW 4581401

05-MET-116 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/10/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:34

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-116

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/18/2005 06:31	[REDACTED]	10
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 00:53	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 00:53	[REDACTED]	n.a.
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1

\* = This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581401  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s30a.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

Lancaster Laboratories Sample No. WW 4581402

05-MET-111 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-111

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	4.7 J	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	27.0	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	40.6	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	5.7	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	80.7	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	1,430.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	389.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	3,890.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	181.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	3.6 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	2,490.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	250.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	51.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	1.0	5.0	ug/l	50
01601	Beta BHC	319-85-7	N.D.	6.0	20.	ug/l	50
01602	Gamma BHC - Lindane	58-89-9	N.D.	1.0	5.0	ug/l	50
01603	Delta BHC	319-86-8	N.D.	1.9	5.0	ug/l	50
01604	Heptachlor	76-44-8	N.D.	1.0	5.0	ug/l	50
01605	Aldrin	309-00-2	N.D.	2.5	10.	ug/l	50
01606	Heptachlor Epoxide	1024-57-3	N.D.	1.0	5.0	ug/l	50
01607	p,p-DDE	72-55-9	N.D.	34.	34.	ug/l	50
01608	p,p-DDD	72-54-8	N.D.	3.0	10.	ug/l	50
01609	p,p-DDT	50-29-3	N.D.	3.0	10.	ug/l	50
01610	Dieldrin	60-57-1	N.D.	15.	15.	ug/l	50
01611	Endrin	72-20-8	N.D.	2.0	10.	ug/l	50
01612	Chlordane	57-74-9	N.D.	250.	250.	ug/l	50
01613	Toxaphene	8001-35-2	N.D.	150.	500.	ug/l	50
01615	Endosulfan II	33213-65-9	N.D.	2.0	10.	ug/l	50
01616	Endosulfan I	959-98-8	N.D.	1.0	5.0	ug/l	50
01617	Endosulfan Sulfate	1031-07-8	N.D.	3.0	10.	ug/l	50
01618	Endrin Aldehyde	7421-93-4	N.D.	12.	50.	ug/l	50
01619	PCB-1016	12674-11-2	N.D.	50.	250.	ug/l	50
01620	PCB-1221	11104-28-2	N.D.	55.	250.	ug/l	50

\*=This limit was used in the evaluation of the final result

AR100750

Lancaster Laboratories Sample No. WW 4581402

05-MET-111 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-111

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	50.	250.	ug/l	50
01622	PCB-1242	53469-21-9	N.D.	50.	250.	ug/l	50
01623	PCB-1248	12672-29-6	1,200.	50.	250.	ug/l	50
01624	PCB-1254	11097-69-1	640.	70.	250.	ug/l	50
01626	PCB-1260	11096-82-5	350.	50.	250.	ug/l	50
01860	Methoxychlor	72-43-5	N.D.	15.	50.	ug/l	50
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, and dieldrin. Despite cleanup methods, we were unable to reach our usual quantitation limits. Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.049	0.15	ug/l	5
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	8. J	5.	24.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	16. J	5.	24.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	5.	24.	ug/l	1
03925	Phenol	108-95-2	27.	5.	24.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	5.	24.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	63.	14.	47.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	5.	24.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	5.	24.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	5.	24.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	95.	280.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	47.	140.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	24.	71.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	14.	71.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	9.	24.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	5.	24.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	5.	24.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	5.	24.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	14. J	5.	24.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	5.	24.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	5.	24.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	5.	24.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100751

Lancaster Laboratories Sample No. WW 4581402

05-MET-111 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 08:00

by █

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-111

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03943	Nitrobenzene	98-95-3	N.D.	5.	24.	ug/l	1
03944	Isophorone	78-59-1	N.D.	5.	24.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	5.	24.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	5.	24.	ug/l	1
03947	Naphthalene	91-20-3	31.	5.	24.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	5.	24.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	24.	71.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	5.	24.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	5.	24.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	9.	24.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	5.	24.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	5.	24.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	5.	24.	ug/l	1
03956	Fluorene	86-73-7	N.D.	5.	24.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	5.	24.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	9.	24.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	5.	24.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	17. J	9.	24.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	5.	24.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	5.	24.	ug/l	1
03963	Phenanthrene	85-01-8	9. J	5.	24.	ug/l	1
03964	Anthracene	120-12-7	5. J	5.	24.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	9.	24.	ug/l	1
03966	Fluoranthene	206-44-0	6. J	5.	24.	ug/l	1
03967	Pyrene	129-00-0	22. J	5.	24.	ug/l	1
03968	Benzidine	92-87-5	N.D.	95.	280.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	9.	24.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	10. J	5.	24.	ug/l	1
03971	Chrysene	218-01-9	18. J	5.	24.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	9.	24.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	55.	9.	24.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	9.	24.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	10. J	5.	24.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	5.	24.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	10. J	5.	24.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	8. J	5.	24.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	10. J	5.	24.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	14. J	5.	24.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100752



Lancaster Laboratories Sample No. WW 4581402

05-MET-111 Grab Water Sample

N(5-15)

Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:34

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-111

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	50.	ug/l	10
02015	t-Butyl alcohol	75-65-0	N.D.	100.	800.	ug/l	10
05385	Chloromethane	74-87-3	N.D.	10.	50.	ug/l	10
05386	Vinyl Chloride	75-01-4	N.D.	10.	50.	ug/l	10
05387	Bromomethane	74-83-9	N.D.	10.	50.	ug/l	10
05388	Chloroethane	75-00-3	N.D.	10.	50.	ug/l	10
05389	Trichlorofluoromethane	75-69-4	N.D.	20.	50.	ug/l	10
05390	1,1-Dichloroethene	75-35-4	N.D.	8.	50.	ug/l	10
05391	Methylene Chloride	75-09-2	N.D.	20.	50.	ug/l	10
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	8.	50.	ug/l	10
05393	1,1-Dichloroethane	75-34-3	N.D.	10.	50.	ug/l	10
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	8.	50.	ug/l	10
05396	Chloroform	67-66-3	N.D.	8.	50.	ug/l	10
05398	1,1,1-Trichloroethane	71-55-6	N.D.	8.	50.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.	10.	50.	ug/l	10
05401	Benzene	71-43-2	N.D.	J 5.	50.	ug/l	10
05402	1,2-Dichloroethane	107-06-2	N.D.	10.	50.	ug/l	10
05403	Trichloroethene	79-01-6	N.D.	10.	50.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.	10.	50.	ug/l	10
05406	Bromodichloromethane	75-27-4	N.D.	10.	50.	ug/l	10
05407	Toluene	108-88-3	240.	7.	50.	ug/l	10
05408	1,1,2-Trichloroethane	79-00-5	N.D.	8.	50.	ug/l	10
05409	Tetrachloroethene	127-18-4	N.D.	8.	50.	ug/l	10
05411	Dibromochloromethane	124-48-1	N.D.	10.	50.	ug/l	10
05413	Chlorobenzene	108-90-7	10.	J 8.	50.	ug/l	10
05415	Ethylbenzene	100-41-4	110.	8.	50.	ug/l	10
05419	Bromoform	75-25-2	N.D.	10.	50.	ug/l	10
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	10.	50.	ug/l	10
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	10.	50.	ug/l	10
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	10.	50.	ug/l	10
06310	Xylene (Total)	1330-20-7	350.	8.	50.	ug/l	10
06875	Acrylonitrile	107-13-1	N.D.	40.	200.	ug/l	10
06888	Acrolein	107-02-8	N.D.	400.	1,000.	ug/l	10

2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

\*=This limit was used in the evaluation of the final result

AR100753

Lancaster Laboratories Sample No. WW 4581402

05-MET-111 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:34

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-111

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The sample for the GC/MS volatile analysis was received with headspace.

The reporting limits for the GC/MS volatile compounds were raised due to insufficient sample volume. The sample vials contained large quantities of soil sediment.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:26	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/15/2005 05:17	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 12:13	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 12:13	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 12:13	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 12:13	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 12:13	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 12:13	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 12:13	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 12:13	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 12:13	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 12:13	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 12:13	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 10:29	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100754

Lancaster Laboratories Sample No. WW 4581402

05-MET-111 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:34

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-111

08255	Total Cyanide	SW-846 9012A	1	08/15/2005 17:56	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 14:45	[REDACTED]	50
07879	EDB	SW-846 8011	1	08/18/2005 07:01	[REDACTED]	5
04678	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 19:46	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/17/2005 06:47	[REDACTED]	10
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/17/2005 06:47	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581402  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug16a.b/lgl6s23.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/17/05  
Column: (pack/cap) CAP Dilution Factor: 10.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.72	3800	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100756

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581402  
Sample wt/vol: 1055 (g/mL) mL Lab File ID: oh0425.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alcohol	1.714	400	J
2.	!Benzene, 1,2,3-trimethyl-	3.473	170	JX
3.	!Benzenamine, 2-methyl-	3.989	160	JX
4.	!Unknown	4.555	190	J
5.	!Unknown	5.022	160	J
6.	!Unknown	5.090	530	J
7.	!Unknown	5.274	200	J
8.	!Unknown	7.777	280	J
9.	!Unknown Alkene	8.041	280	J
10.	!Unknown Alkane	8.121	210	J
11.	!Unknown	8.201	160	J
12.	!Unknown Alkane	8.232	290	J
13.	!Unknown	8.361	290	J
14.	!Unknown	9.099	150	J
15.	!Unknown	9.904	170	J
16.	!Unknown Alkane	10.082	330	J
17.	!Unknown	10.175	300	J
18.	!Unknown	10.261	240	J
19.	!Unknown	10.427	440	J
20.	!Unknown Alkane	10.679	220	J
21.	!Unknown Alkane	10.765	280	J
22.	!Unknown	10.943	200	J
23.	!Unknown	11.029	210	J
24.	!Unknown	11.109	170	J
25.	!Unknown	11.251	160	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100757

Lancaster Laboratories Sample No. WW 4581403

05-MET-111 Filtered Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/10/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:35

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	7.0 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	11.2 J	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	7.2 J	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	5.9 J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:27	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/15/2005 05:22	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 12:18	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 12:18	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 12:18	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 12:18	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 12:18	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 12:18	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 12:18	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 12:18	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 12:18	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 12:18	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 12:18	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100758



**Lancaster Laboratories Sample No. WW 4581403**

**05-MET-111 Filtered Grab Water Sample  
N(5-15)  
Former Metro Container Investigation**

Collected: 08/10/2005 08:00 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:35  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Lancaster Laboratories Sample No. WW 4581404

05-MET-107 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:35  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-107

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury The quantitation limit for mercury was increased due to the nature of the sample matrix.	7439-97-6	N.D.	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	47.2	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	0.45 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	9.8	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	369.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	555.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	662.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	71.7	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	534.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	470.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	78.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	1.0	5.0	ug/l	50
01601	Beta BHC	319-85-7	N.D.	6.0	20.	ug/l	50
01602	Gamma BHC - Lindane	58-89-9	N.D.	1.0	5.0	ug/l	50
01603	Delta BHC	319-86-8	N.D.	1.9	5.0	ug/l	50
01604	Heptachlor	76-44-8	N.D.	1.0	5.0	ug/l	50
01605	Aldrin	309-00-2	N.D.	2.5	10.	ug/l	50
01606	Heptachlor Epoxide	1024-57-3	N.D.	5.0	5.0	ug/l	50
01607	p,p-DDE	72-55-9	N.D.	20.	20.	ug/l	50
01608	p,p-DDD	72-54-8	N.D.	3.0	10.	ug/l	50
01609	p,p-DDT	50-29-3	N.D.	3.0	10.	ug/l	50
01610	Dieldrin	60-57-1	N.D.	16.	16.	ug/l	50
01611	Endrin	72-20-8	N.D.	2.0	10.	ug/l	50
01612	Chlordane	57-74-9	N.D.	35.	250.	ug/l	50
01613	Toxaphene	8001-35-2	N.D.	150.	500.	ug/l	50
01615	Endosulfan II	33213-65-9	N.D.	2.0	10.	ug/l	50
01616	Endosulfan I	959-98-8	N.D.	1.0	5.0	ug/l	50
01617	Endosulfan Sulfate	1031-07-8	N.D.	3.0	10.	ug/l	50
01618	Endrin Aldehyde	7421-93-4	N.D.	50.	50.	ug/l	50
01619	PCB-1016	12674-11-2	N.D.	50.	250.	ug/l	50
01620	PCB-1221	11104-28-2	N.D.	55.	250.	ug/l	50

\*=This limit was used in the evaluation of the final result

AR100760

Lancaster Laboratories Sample No. WW 4581404

05-MET-107 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:35

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-107

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	50.	250.	ug/l	50
01622	PCB-1242	53469-21-9	N.D.	50.	250.	ug/l	50
01623	PCB-1248	12672-29-6	N.D.	250.	250.	ug/l	50
01624	PCB-1254	11097-69-1	550.	70.	250.	ug/l	50
01626	PCB-1260	11096-82-5	1,600.	50.	250.	ug/l	50
01860	Methoxychlor	72-43-5	N.D.	15.	50.	ug/l	50

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable heptachlor epoxide, 4,4'-DDE, dieldrin, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	1.9	5.6	ug/l	200
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This sample was injected numerous times and each time the ending calibration standard fell outside the method criteria. This effect is attributed to matrix. The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	50.	5.	24.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	5.	24.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	5.	24.	ug/l	1
03925	Phenol	108-95-2	49.	5.	24.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	5.	24.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	15.	49.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	5.	24.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	5.	24.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	5.	24.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	97.	290.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	49.	150.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	24.	73.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	15.	73.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100761

Lancaster Laboratories Sample No. WW 4581404

05-MET-107 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:35  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-107

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03935	N-Nitrosodimethylamine	62-75-9	N.D.	10.	24.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	5.	24.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	5.	24.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	5.	24.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	5.	24.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	5.	24.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	5.	24.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	5.	24.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	5.	24.	ug/l	1
03944	Isophorone	78-59-1	N.D.	5.	24.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	5.	24.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	5.	24.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	5.	24.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	5.	24.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	24.	73.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	5.	24.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	5.	24.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	10.	24.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	5.	24.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	5.	24.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	5.	24.	ug/l	1
03956	Fluorene	86-73-7	N.D.	5.	24.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	5.	24.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	10.	24.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	5.	24.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	10.	24.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	5.	24.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	5.	24.	ug/l	1
03963	Phenanthrene	85-01-8	13. J	5.	24.	ug/l	1
03964	Anthracene	120-12-7	N.D.	5.	24.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	10.	24.	ug/l	1
03966	Fluoranthene	206-44-0	7. J	5.	24.	ug/l	1
03967	Pyrene	129-00-0	40.	5.	24.	ug/l	1
03968	Benzidine	92-87-5	N.D.	97.	290.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	10.	24.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	30.	5.	24.	ug/l	1
03971	Chrysene	218-01-9	51.	5.	24.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	10.	24.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100762

Lancaster Laboratories Sample No. WW 4581404

05-MET-107 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:35  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-107

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03973	bis(2-Ethylhexyl)phthalate	117-81-7	57.	10.	24.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	10.	24.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	15. J	5.	24.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	5. J	5.	24.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	34.	5.	24.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	7. J	5.	24.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	10. J	5.	24.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	17. J	5.	24.	ug/l	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	170.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	6.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	2. J	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	3. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	6.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	4. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	2. J	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	1. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100763

Lancaster Laboratories Sample No. WW 4581404

05-MET-107 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:35  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-107

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	3. J	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:29	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/15/2005 05:27	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 12:23	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 12:23	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 12:23	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 12:23	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 12:23	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 12:23	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 12:23	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 12:23	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 12:23	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100764



Lancaster Laboratories Sample No. WW 4581404

05-MET-107 Grab Water Sample

N(0-10)

Former Metro Container Investigation

Collected: 08/10/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:35

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-107

07066	Silver	SW-846 6010B	1	08/13/2005 12:23	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 12:23	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 10:32	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 17:57	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 15:06	[REDACTED]	50
07879	EDB	SW-846 8011	1	08/18/2005 22:30	[REDACTED]	200
04678	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 22:54	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 06:07	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 06:07	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581404  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s44.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.83	260	J
2. 74-93-1	Methanethiol	2.37	150	J
3. 67-64-1	Acetone	3.46	14	J
4.	Unknown	3.68	4500	J
5. 109-99-9	Furan, tetrahydro-	6.35	9	J
6. 108-10-1	Methyl Isobutyl Ketone	9.47	31	J
7.				
8.				
9.				
10.				
11.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100766

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581404  
Sample wt/vol: 1026 (g/mL) mL Lab File ID: oh0430.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.524	1400	J
2.624-92-0	!Disulfide, dimethyl	1.560	550	J
3.	!Unknown Alcohol	1.677	1800	J
4.	!Unknown	1.733	440	J
5.	!Unknown	2.384	480	J
6.	!Unknown	2.809	1800	J
7.	!Unknown Alkane	3.620	540	J
8.	!Unknown	3.663	400	J
9.	!Unknown	3.706	660	J
10.	!Unknown	3.731	370	J
11.95-48-7	!Phenol, 2-methyl-	3.823	490	J
12.106-44-5	!Phenol, 4-methyl-	3.958	950	J
13.	!Unknown	3.983	480	J
14.	!Unknown	4.081	480	J
15.	!Unknown	6.030	560	J
16.	!Unknown	6.319	1100	J
17.	!Unknown	6.369	1800	J
18.	!Unknown	6.430	1100	J
19.	!Unknown Alkane	6.516	420	J
20.	!Unknown	6.547	600	J
21.	!Unknown Alkane	6.916	560	J
22.17233-71-5	!Hexathiepane	7.162	860	J
23.	!Unknown Alkane	7.629	300	J
24.10544-50-0	!Cyclic octaatomic sulfur	8.201	78000	J
25.	!Triphenylene, 2-methyl-	9.781	180	JX
26.	!	!	!	!
27.	!	!	!	!
28.	!	!	!	!
29.	!	!	!	!
30.	!	!	!	!

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100767



# Analysis Report

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Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4581405

05-MET-107 Filtered Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	48.3	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	1.4 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	16.9	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:30	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/15/2005 05:41	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 12:37	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 12:37	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 12:37	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 12:37	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 12:37	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 12:37	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 12:37	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 12:37	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 12:37	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 12:37	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 12:37	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100768



# ***Analysis Report***

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2  
REVISED

**Lancaster Laboratories Sample No. WW 4581405**

**05-MET-107 Filtered Grab Water Sample  
N(0-10)  
Former Metro Container Investigation**

Collected: 08/10/2005 09:30 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4581406

05-MET-107A Grab Water Sample  
FD(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W107A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	1.6 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	2.1 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	420.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	86.3	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	209.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	26.2	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,080.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	350.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	70.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.50	2.5	ug/l	25
01601	Beta BHC	319-85-7	N.D.	3.0	10.	ug/l	25
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.50	2.5	ug/l	25
01603	Delta BHC	319-86-8	N.D.	0.95	2.5	ug/l	25
01604	Heptachlor	76-44-8	N.D.	0.50	2.5	ug/l	25
01605	Aldrin	309-00-2	N.D.	1.3	5.0	ug/l	25
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.50	2.5	ug/l	25
01607	p,p-DDE	72-55-9	N.D.	6.8	6.8	ug/l	25
01608	p,p-DDD	72-54-8	N.D.	1.5	5.0	ug/l	25
01609	p,p-DDT	50-29-3	N.D.	1.5	5.0	ug/l	25
01610	Dieldrin	60-57-1	N.D.	7.5	7.5	ug/l	25
01611	Endrin	72-20-8	N.D.	1.0	5.0	ug/l	25
01612	Chlordane	57-74-9	N.D.	18.	130.	ug/l	25
01613	Toxaphene	8001-35-2	N.D.	75.	250.	ug/l	25
01615	Endosulfan II	33213-65-9	N.D.	1.0	5.0	ug/l	25
01616	Endosulfan I	959-98-8	N.D.	0.50	2.5	ug/l	25
01617	Endosulfan Sulfate	1031-07-8	N.D.	1.5	5.0	ug/l	25
01618	Endrin Aldehyde	7421-93-4	N.D.	25.	25.	ug/l	25
01619	PCB-1016	12674-11-2	N.D.	25.	130.	ug/l	25
01620	PCB-1221	11104-28-2	N.D.	28.	130.	ug/l	25

\*=This limit was used in the evaluation of the final result

AR100770



Lancaster Laboratories Sample No. WW 4581406

05-MET-107A Grab Water Sample  
FD(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W107A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	25.	130.	ug/l	25
01622	PCB-1242	53469-21-9	N.D.	25.	130.	ug/l	25
01623	PCB-1248	12672-29-6	N.D.	25.	130.	ug/l	25
01624	PCB-1254	11097-69-1	190.	35.	130.	ug/l	25
01626	PCB-1260	11096-82-5	700.	25.	130.	ug/l	25
01860	Methoxychlor	72-43-5	N.D.	7.5	25.	ug/l	25

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.19	0.56	ug/l	20
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.							
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	56.	5.	26.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	5.	26.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	5.	26.	ug/l	1
03925	Phenol	108-95-2	27.	5.	26.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	5.	26.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	16.	52.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	5.	26.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	5.	26.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	5.	26.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	100.	310.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	52.	160.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	26.	79.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	16.	79.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	10.	26.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	5.	26.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	5.	26.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	5.	26.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100771

Lancaster Laboratories Sample No. WW 4581406

05-MET-107A Grab Water Sample  
FD(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W107A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03939	1,2-Dichlorobenzene	95-50-1	N.D.	5.	26.	ug/l	1
03940	bis(2-Chloroisopropyl) ether	108-60-1	N.D.	5.	26.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	5.	26.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	5.	26.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	5.	26.	ug/l	1
03944	Isophorone	78-59-1	N.D.	5.	26.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	5.	26.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	5.	26.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	5.	26.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	5.	26.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	26.	79.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	5.	26.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	5.	26.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	10.	26.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	5.	26.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	5.	26.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	5.	26.	ug/l	1
03956	Fluorene	86-73-7	N.D.	5.	26.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	5.	26.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	10.	26.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	5.	26.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	10.	26.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	5.	26.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	5.	26.	ug/l	1
03963	Phenanthrene	85-01-8	9. J	5.	26.	ug/l	1
03964	Anthracene	120-12-7	N.D.	5.	26.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	10.	26.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	5.	26.	ug/l	1
03967	Pyrene	129-00-0	25. J	5.	26.	ug/l	1
03968	Benzidine	92-87-5	N.D.	100.	310.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	10.	26.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	18. J	5.	26.	ug/l	1
03971	Chrysene	218-01-9	25. J	5.	26.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	10.	26.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	55.	10.	26.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	10.	26.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	8. J	5.	26.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	5.	26.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100772

Lancaster Laboratories Sample No. WW 4581406

05-MET-107A Grab Water Sample  
FD(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W107A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03977	Benzo(a)pyrene	50-32-8	16. J	5.	26.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	5.	26.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	6. J	5.	26.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	12. J	5.	26.	ug/l	1

Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	0.6 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	160.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	6.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	4. J	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	4. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	8.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	6.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	2. J	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	1. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100773

Lancaster Laboratories Sample No. WW 4581406

05-MET-107A Grab Water Sample  
FD(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W107A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	4. J	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:31	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/15/2005 05:45	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 12:42	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 12:42	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 12:42	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 12:42	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 12:42	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 12:42	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 12:42	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 12:42	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 12:42	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 12:42	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100774

Lancaster Laboratories Sample No. WW 4581406

05-MET-107A Grab Water Sample  
FD(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W107A						
07072	Zinc	SW-846 6010B	1	08/13/2005 12:42	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 10:34	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 17:58	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 15:26	[REDACTED]	25
07879	EDB	SW-846 8011	1	08/18/2005 08:01	[REDACTED]	20
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 05:39	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 06:52	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	2	08/16/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 06:52	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581406  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s47.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 7

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.88	420	J
2. 74-93-1	Methanethiol	2.38	110	J
3. 67-64-1	Acetone	3.47	24	J
4.	Unknown	3.69	5600	J
5. 109-99-9	Furan, tetrahydro-	6.35	12	J
6. 108-10-1	Methyl Isobutyl Ketone	9.47	61	J
7.	Unknown siloxane	13.00	5	J
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
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20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100776



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581406  
Sample wt/vol: 954 (g/mL) mL Lab File ID: oh0545.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	6.244	77	J
2.	!Unknown	7.086	43	J
3.10544-50-0	Cyclic octaatomic sulfur	7.910	8600	J
4.	!Unknown Alkane	8.790	42	J
5.	!Unknown Alkane	9.035	40	J
6.	!Unknown	9.195	39	J
7.	!Unknown Alkane	9.435	39	J
8.	!Unknown	9.460	40	J
9.	!Unknown Alkane	9.577	58	J
10.	!Unknown Alkane	9.656	42	J
11.	!Unknown	9.706	64	J
12.	!Unknown	9.773	61	J
13.	!Unknown Alkane	9.835	39	J
14.	!Unknown Alkane	9.915	130	J
15.	!Unknown	9.976	91	J
16.	!Unknown Cycloalkane	9.995	93	J
17.	!Unknown Alkane	10.087	63	J
18.	!Unknown Alkane	10.511	150	J
19.	!Unknown Alkane	10.757	79	J
20.	!Unknown	10.831	110	J
21.	!Unknown Alkane	10.960	90	J
22.	!Unknown	11.034	100	J
23.	!Unknown Alkane	11.415	69	J
24.	!Unknown Alkane	11.575	59	J
25.	!Unknown Alkane	11.919	63	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100777



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4581407

05-MET-107A Filtered Grab Water Sample  
FD(0-10)  
Former Metro Container Investigation

Collected: 08/10/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:37

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	51.4	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	9.4	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	19.0	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:33	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/15/2005 05:50	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 12:46	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 12:46	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 12:46	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 12:46	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 12:46	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 12:46	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 12:46	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 12:46	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 12:46	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 12:46	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 12:46	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100778



# ***Analysis Report***

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2  
REVISED

**Lancaster Laboratories Sample No. WW 4581407**

**05-MET-107A Filtered Grab Water Sample  
FD(0-10)  
Former Metro Container Investigation**

Collected: 08/10/2005 09:45 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:37  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

\*=This limit was used in the evaluation of the final result

AR100779



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 8  
REVISED

Lancaster Laboratories Sample No. WW 4581408

05-MET-121 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/10/2005 14:50

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:37

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-121

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	6.2	20.0	ug/l	100
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	121.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	11.9 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	6.9 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	5.3	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	4.5 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	269.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	257.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	153.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	165.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,240.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	1,400.	45.	150.	ug/l	5
	After receipt the pH of this container was adjusted to < 2.						
08255	Total Cyanide	57-12-5	29.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	0.40	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	0.67 J	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	0.33 J	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR100780

Lancaster Laboratories Sample No. WW 4581408

05-MET-121 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/10/2005 14:50

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:37  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-121

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	N.D.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.099	0.30	ug/l	10
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	500.	2,500.	ug/l	5
02752	1-Methylnaphthalene	90-12-0	N.D.	500.	2,500.	ug/l	5
03924	2-Chlorophenol	95-57-8	N.D.	500.	2,500.	ug/l	5
03925	Phenol	108-95-2	N.D.	500.	2,500.	ug/l	5
03926	2-Nitrophenol	88-75-5	N.D.	500.	2,500.	ug/l	5
03927	2,4-Dimethylphenol	105-67-9	N.D.	1,500.	5,000.	ug/l	5
03928	2,4-Dichlorophenol	120-83-2	N.D.	500.	2,500.	ug/l	5
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	500.	2,500.	ug/l	5
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	500.	2,500.	ug/l	5
03931	2,4-Dinitrophenol	51-28-5	N.D.	10,000.	30,000.	ug/l	5
03932	4-Nitrophenol	100-02-7	N.D.	5,000.	15,000.	ug/l	5
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2,500.	7,500.	ug/l	5
03934	Pentachlorophenol	87-86-5	N.D.	1,500.	7,500.	ug/l	5
03935	N-Nitrosodimethylamine	62-75-9	N.D.	1,000.	2,500.	ug/l	5
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	500.	2,500.	ug/l	5
03937	1,3-Dichlorobenzene	541-73-1	N.D.	500.	2,500.	ug/l	5
03938	1,4-Dichlorobenzene	106-46-7	N.D.	500.	2,500.	ug/l	5
03939	1,2-Dichlorobenzene	95-50-1	N.D.	500.	2,500.	ug/l	5
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	500.	2,500.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100781

Lancaster Laboratories Sample No. WW 4581408

05-MET-121 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/10/2005 14:50

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:37  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-121

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03941	Hexachloroethane	67-72-1	N.D.	500.	2,500.	ug/l	5
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	500.	2,500.	ug/l	5
03943	Nitrobenzene	98-95-3	N.D.	500.	2,500.	ug/l	5
03944	Isophorone	78-59-1	N.D.	500.	2,500.	ug/l	5
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	500.	2,500.	ug/l	5
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	500.	2,500.	ug/l	5
03947	Naphthalene	91-20-3	N.D.	500.	2,500.	ug/l	5
03948	Hexachlorobutadiene	87-68-3	N.D.	500.	2,500.	ug/l	5
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	2,500.	7,500.	ug/l	5
03950	2-Chloronaphthalene	91-58-7	N.D.	500.	2,500.	ug/l	5
03951	Acenaphthylene	208-96-8	N.D.	500.	2,500.	ug/l	5
03952	Dimethylphthalate	131-11-3	N.D.	1,000.	2,500.	ug/l	5
03953	2,6-Dinitrotoluene	606-20-2	N.D.	500.	2,500.	ug/l	5
03954	Acenaphthene	83-32-9	N.D.	500.	2,500.	ug/l	5
03955	2,4-Dinitrotoluene	121-14-2	N.D.	500.	2,500.	ug/l	5
03956	Fluorene	86-73-7	N.D.	500.	2,500.	ug/l	5
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	500.	2,500.	ug/l	5
03958	Diethylphthalate	84-66-2	N.D.	1,000.	2,500.	ug/l	5
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	500.	2,500.	ug/l	5
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	1,000.	2,500.	ug/l	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	500.	2,500.	ug/l	5
03962	Hexachlorobenzene	118-74-1	N.D.	500.	2,500.	ug/l	5
03963	Phenanthrene	85-01-8	N.D.	500.	2,500.	ug/l	5
03964	Anthracene	120-12-7	N.D.	500.	2,500.	ug/l	5
03965	Di-n-butylphthalate	84-74-2	N.D.	1,000.	2,500.	ug/l	5
03966	Fluoranthene	206-44-0	N.D.	500.	2,500.	ug/l	5
03967	Pyrene	129-00-0	3,500.	500.	2,500.	ug/l	5
03968	Benzidine	92-87-5	N.D.	10,000.	30,000.	ug/l	5
03969	Butylbenzylphthalate	85-68-7	N.D.	1,000.	2,500.	ug/l	5
03970	Benzo(a)anthracene	56-55-3	2,700.	500.	2,500.	ug/l	5
03971	Chrysene	218-01-9	2,900.	500.	2,500.	ug/l	5
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	1,000.	2,500.	ug/l	5
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1,000.	2,500.	ug/l	5
03974	Di-n-octylphthalate	117-84-0	N.D.	1,000.	2,500.	ug/l	5
03975	Benzo(b)fluoranthene	205-99-2	930. J	500.	2,500.	ug/l	5
03976	Benzo(k)fluoranthene	207-08-9	N.D.	500.	2,500.	ug/l	5
03977	Benzo(a)pyrene	50-32-8	1,800. J	500.	2,500.	ug/l	5
03978	Indeno(1,2,3-cd)pyrene	193-39-5	820. J	500.	2,500.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100782



Lancaster Laboratories Sample No. WW 4581408

05-MET-121 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/10/2005 14:50

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:37  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-121

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03979	Dibenz(a,h)anthracene	53-70-3	1,200. J	500.	2,500.	ug/l	5
03980	Benzo(g,h,i)perylene	191-24-2	1,900. J	500.	2,500.	ug/l	5

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	10.	100.	ug/l	20
02015	t-Butyl alcohol	75-65-0	N.D.	200.	1,600.	ug/l	20
05385	Chloromethane	74-87-3	N.D.	20.	100.	ug/l	20
05386	Vinyl Chloride	75-01-4	25. J	20.	100.	ug/l	20
05387	Bromomethane	74-83-9	N.D.	20.	100.	ug/l	20
05388	Chloroethane	75-00-3	N.D.	20.	100.	ug/l	20
05389	Trichlorofluoromethane	75-69-4	N.D.	40.	100.	ug/l	20
05390	1,1-Dichloroethene	75-35-4	N.D.	16.	100.	ug/l	20
05391	Methylene Chloride	75-09-2	N.D.	40.	100.	ug/l	20
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	16.	100.	ug/l	20
05393	1,1-Dichloroethane	75-34-3	N.D.	20.	100.	ug/l	20
05395	cis-1,2-Dichloroethene	156-59-2	22. J	16.	100.	ug/l	20
05396	Chloroform	67-66-3	N.D.	16.	100.	ug/l	20
05398	1,1,1-Trichloroethane	71-55-6	N.D.	16.	100.	ug/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.	20.	100.	ug/l	20
05401	Benzene	71-43-2	N.D.	10.	100.	ug/l	20
05402	1,2-Dichloroethane	107-06-2	N.D.	20.	100.	ug/l	20
05403	Trichloroethene	79-01-6	N.D.	20.	100.	ug/l	20
05404	1,2-Dichloropropane	78-87-5	N.D.	20.	100.	ug/l	20
05406	Bromodichloromethane	75-27-4	N.D.	20.	100.	ug/l	20
05407	Toluene	108-88-3	N.D.	14.	100.	ug/l	20
05408	1,1,2-Trichloroethane	79-00-5	N.D.	16.	100.	ug/l	20
05409	Tetrachloroethene	127-18-4	N.D.	16.	100.	ug/l	20
05411	Dibromochloromethane	124-48-1	N.D.	20.	100.	ug/l	20
05413	Chlorobenzene	108-90-7	N.D.	16.	100.	ug/l	20
05415	Ethylbenzene	100-41-4	N.D.	16.	100.	ug/l	20
05419	Bromoform	75-25-2	N.D.	20.	100.	ug/l	20
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	20.	100.	ug/l	20
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	20.	100.	ug/l	20

\*=This limit was used in the evaluation of the final result

AR100783

Lancaster Laboratories Sample No. WW 4581408

05-MET-121 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/10/2005 14:50 by [REDACTED] Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:37  
Discard: 10/29/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-121

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	20.	100.	ug/l	20
06310	Xylene (Total)	1330-20-7	N.D.	16.	100.	ug/l	20
06875	Acrylonitrile	107-13-1	N.D.	80.	400.	ug/l	20
06888	Acrolein	107-02-8	N.D.	800.	2,000.	ug/l	20

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:34	[REDACTED]	100
07022	Thallium	SW-846 6010B	1	08/15/2005 05:55	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 12:51	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 12:51	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 12:51	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 12:51	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 12:51	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 12:51	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 12:51	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 12:51	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100784

Lancaster Laboratories Sample No. WW 4581408

05-MET-121 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/10/2005 14:50

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:37

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-121

07061	Nickel	SW-846 6010B	1	08/13/2005 12:51	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 12:51	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 12:51	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:27	[REDACTED]	5
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:00	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 02:00	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/18/2005 08:31	[REDACTED]	10
04678	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 23:37	[REDACTED]	5
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 07:36	[REDACTED]	20
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 07:36	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581408  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s49.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 20.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.71	15000	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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13.				
14.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100786

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) WATER Lab Sample ID: 4581408  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0432.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture:                      Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 5  
GPC Cleanup: N pH:                      Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	8.195	64000	J
2.	!Unknown Alkane	8.287	47000	J
3.	!Unknown	8.330	53000	J
4.	!Unknown Alkane	8.398	14000	J
5.	!Unknown	8.551	11000	J
6.	!Unknown	8.754	9400	J
7.	!Unknown Cycloalkane	8.859	9300	J
8.	!Unknown Alkane	8.920	11000	J
9.	!Unknown	8.982	12000	J
10.	!Unknown Cycloalkane	9.154	12000	J
11.	!Unknown	9.314	9400	J
12.	!Unknown	9.332	15000	J
13.	!Unknown Alkane	9.523	9300	J
14.	!Unknown Cycloalkane	9.591	14000	J
15.	!Unknown	9.707	15000	J
16.	!Benz[a]anthracene, 3-methyl-	9.781	18000	JX
17.	!Unknown	9.867	11000	J
18.	!Unknown Alkane	10.046	10000	J
19.	!Unknown Alkane	10.224	10000	J
20.	!Unknown	10.833	9000	J
21.	!Unknown Alkane	10.974	16000	J
22.	!Unknown Alkane	11.042	9900	J
23.	!Unknown	11.060	11000	J
24.	!Unknown Alkane	11.226	12000	J
25.	!Unknown Alkane	11.829	9000	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100787



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4581409

05-MET-121 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/10/2005 14:50

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:38

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	317.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	9.9 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	8.4 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	1.3 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	9.2	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	151.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	271.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	171.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	141.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	837.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:38	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/15/2005 05:59	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 12:56	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 12:56	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 12:56	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 12:56	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 12:56	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 12:56	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 12:56	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 12:56	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 12:56	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 12:56	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 12:56	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100788





# ***Analysis Report***

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Page 2 of 2  
REVISED

**Lancaster Laboratories Sample No. WW 4581409**

**05-MET-121 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation**

Collected: 08/10/2005 14:50 by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:38  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4581410

05-MET-101 Grab Water Sample  
N(4-14)  
Former Metro Container Investigation

Collected: 08/10/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:38  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-101

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury The quantitation limit for mercury was increased due to the nature of the sample matrix.	7439-97-6	N.D.	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	39.5	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	4.9 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	1.5 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	2,780.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	99.0	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	188.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	266.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,340.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	280.	45.	150.	ug/l	5
08255	Total Cyanide	57-12-5	83.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.10	0.50	ug/l	5
01601	Beta BHC	319-85-7	N.D.	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.10	0.50	ug/l	5
01603	Delta BHC	319-86-8	N.D.	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.10	0.50	ug/l	5
01605	Aldrin	309-00-2	N.D.	0.25	1.0	ug/l	5
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.50	0.50	ug/l	5
01607	p,p-DDE	72-55-9	4.8	0.20	1.0	ug/l	5
01608	p,p-DDD	72-54-8	N.D.	0.30	1.0	ug/l	5
01609	p,p-DDT	50-29-3	N.D.	0.30	1.0	ug/l	5
01610	Dieldrin	60-57-1	N.D.	1.5	1.5	ug/l	5
01611	Endrin	72-20-8	N.D.	0.20	1.0	ug/l	5
01612	Chlordane	57-74-9	N.D.	25.	25.	ug/l	5
01613	Toxaphene	8001-35-2	N.D.	15.	50.	ug/l	5
01615	Endosulfan II	33213-65-9	N.D.	0.20	1.0	ug/l	5
01616	Endosulfan I	959-98-8	N.D.	0.10	0.50	ug/l	5
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.30	1.0	ug/l	5
01618	Endrin Aldehyde	7421-93-4	N.D.	1.2	5.0	ug/l	5
01619	PCB-1016	12674-11-2	N.D.	5.0	25.	ug/l	5
01620	PCB-1221	11104-28-2	N.D.	5.5	25.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100790

Lancaster Laboratories Sample No. WW 4581410

05-MET-101 Grab Water Sample  
N(4-14)  
Former Metro Container Investigation

Collected: 08/10/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:38  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-101

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	5.0	25.	ug/l	5
01622	PCB-1242	53469-21-9	N.D.	5.0	25.	ug/l	5
01623	PCB-1248	12672-29-6	38.	5.0	25.	ug/l	5
01624	PCB-1254	11097-69-1	31.	7.0	25.	ug/l	5
01626	PCB-1260	11096-82-5	18. J	5.0	25.	ug/l	5
01860	Methoxychlor	72-43-5	N.D.	1.5	5.0	ug/l	5

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for heptachlor epoxide and dieldrin. Despite cleanup methods, we were unable to reach our usual reporting limits.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.							

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	35. J	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	50. J	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	37. J	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	150. J	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100791

Lancaster Laboratories Sample No. WW 4581410

05-MET-101 Grab Water Sample

N(4-14)

Former Metro Container Investigation

Collected: 08/10/2005 11:00

by █

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:38

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-101

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	29. J	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	11. J	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	35. J	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	52.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	99.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	67.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	100.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	170.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	77.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	88.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	300.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	130.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	58.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	120.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	110.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	99.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100792

Lancaster Laboratories Sample No. WW 4581410

05-MET-101 Grab Water Sample

N(4-14)

Former Metro Container Investigation

Collected: 08/10/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:38

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-101

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03980	Benzo(g,h,i)perylene	191-24-2	190.	10.	50.	ug/l	1
	Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	10.	100.	ug/l	20
02015	t-Butyl alcohol	75-65-0	N.D.	200.	1,600.	ug/l	20
05385	Chloromethane	74-87-3	N.D.	20.	100.	ug/l	20
05386	Vinyl Chloride	75-01-4	N.D.	20.	100.	ug/l	20
05387	Bromomethane	74-83-9	N.D.	20.	100.	ug/l	20
05388	Chloroethane	75-00-3	N.D.	20.	100.	ug/l	20
05389	Trichlorofluoromethane	75-69-4	N.D.	40.	100.	ug/l	20
05390	1,1-Dichloroethene	75-35-4	N.D.	16.	100.	ug/l	20
05391	Methylene Chloride	75-09-2	N.D.	40.	100.	ug/l	20
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	16.	100.	ug/l	20
05393	1,1-Dichloroethane	75-34-3	N.D.	20.	100.	ug/l	20
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	16.	100.	ug/l	20
05396	Chloroform	67-66-3	N.D.	16.	100.	ug/l	20
05398	1,1,1-Trichloroethane	71-55-6	N.D.	16.	100.	ug/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.	20.	100.	ug/l	20
05401	Benzene	71-43-2	N.D.	10.	100.	ug/l	20
05402	1,2-Dichloroethane	107-06-2	N.D.	20.	100.	ug/l	20
05403	Trichloroethene	79-01-6	N.D.	20.	100.	ug/l	20
05404	1,2-Dichloropropane	78-87-5	N.D.	20.	100.	ug/l	20
05406	Bromodichloromethane	75-27-4	N.D.	20.	100.	ug/l	20
05407	Toluene	108-88-3	N.D.	14.	100.	ug/l	20
05408	1,1,2-Trichloroethane	79-00-5	N.D.	16.	100.	ug/l	20
05409	Tetrachloroethene	127-18-4	N.D.	16.	100.	ug/l	20
05411	Dibromochloromethane	124-48-1	N.D.	20.	100.	ug/l	20
05413	Chlorobenzene	108-90-7	N.D.	16.	100.	ug/l	20
05415	Ethylbenzene	100-41-4	N.D.	16.	100.	ug/l	20
05419	Bromoform	75-25-2	N.D.	20.	100.	ug/l	20
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	20.	100.	ug/l	20
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	20.	100.	ug/l	20
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	20.	100.	ug/l	20
06310	Xylene (Total)	1330-20-7	N.D.	16.	100.	ug/l	20
06875	Acrylonitrile	107-13-1	N.D.	80.	400.	ug/l	20
06888	Acrolein	107-02-8	N.D.	800.	2,000.	ug/l	20
	2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.						

\*=This limit was used in the evaluation of the final result

AR100793

Lancaster Laboratories Sample No. WW 4581410

05-MET-101 Grab Water Sample  
N(4-14)  
Former Metro Container Investigation

Collected: 08/10/2005 11:00 by [REDACTED] Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:38  
Discard: 10/29/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-101

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The reporting limits for the GC/MS volatile compounds were raised due to sample foaming.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:40	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/15/2005 06:04	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 13:00	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 13:00	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 13:00	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 13:00	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 13:00	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 13:00	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 13:00	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 13:00	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 13:00	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 13:00	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 13:00	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:32	[REDACTED]	5
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:03	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 15:47	[REDACTED]	5

\* = This limit was used in the evaluation of the final result

AR100794



Lancaster Laboratories Sample No. WW 4581410

05-MET-101 Grab Water Sample

N(4-14)

Former Metro Container Investigation

Collected: 08/10/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:38

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-101

07879	EDB	SW-846 8011	1	08/18/2005 09:00	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/12/2005 23:58	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 07:59	[REDACTED]	20
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 07:59	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581410  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s50.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 20.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581410  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0433.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/12/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	7.974	870	J
2.	!Unknown	8.103	950	J
3.	!Unknown Alkane	8.207	1300	J
4.10544-50-0	!Cyclic octaatomic sulfur	8.238	1000	J
5.	!Unknown	8.312	1700	J
6.	!Unknown Alkane	8.687	250	J
7.	!Unknown Alkane	8.920	230	J
8.	!Unknown Alkane	9.173	280	J
9.	!Unknown Alkane	9.443	550	J
10.	!Unknown Alkane	9.566	260	J
11.	!Unknown Alkane	9.708	270	J
12.	!Unknown Alkane	9.794	250	J
13.	!Unknown Alkane	9.843	280	J
14.	!Unknown Alkane	10.058	1200	J
15.	!Unknown	10.359	810	J
16.	!Unknown Alkane	10.390	820	J
17.	!Unknown Alkane	10.648	1000	J
18.	!Unknown	10.845	850	J
19.	!Unknown Alkane	10.906	740	J
20.	!Unknown	10.999	1700	J
21.	!Unknown	11.214	1000	J
22.	!Unknown Alkane	11.601	820	J
23.	!Unknown Alkane	11.780	1400	J
24.	!Unknown	11.872	840	J
25.	!Unknown Alkane	12.142	860	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100797



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4581411

05-MET-101 Filtered Grab Water Sample  
N(4-14)  
Former Metro Container Investigation

Collected: 08/10/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	11.2 J	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	14.1 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:42	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/15/2005 06:09	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/13/2005 13:05	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/13/2005 13:05	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/13/2005 13:05	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/13/2005 13:05	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/13/2005 13:05	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/13/2005 13:05	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/13/2005 13:05	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/13/2005 13:05	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/13/2005 13:05	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/13/2005 13:05	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/13/2005 13:05	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/12/2005 14:58	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100798

**Lancaster Laboratories Sample No. WW 4581411**

**05-MET-101 Filtered Grab Water Sample  
N(4-14)  
Former Metro Container Investigation**

Collected: 08/10/2005 11:00 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Lancaster Laboratories Sample No. WW 4581412

05-MET-115 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 10:45

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:39

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	15.8	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	38.0	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	28.9	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	350.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	2.6 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	248.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	2,960.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	1,280.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	14,500.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	294.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	15.0	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	7,440.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	1,500.	45.	150.	ug/l	5
The pH of this container was adjusted to <2 after receipt.							
08255	Total Cyanide	57-12-5	170.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	1.0	5.0	ug/l	50
01601	Beta BHC	319-85-7	N.D.	6.0	20.	ug/l	50
01602	Gamma BHC - Lindane	58-89-9	1.1 J	1.0	5.0	ug/l	50
01603	Delta BHC	319-86-8	N.D.	1.9	5.0	ug/l	50
01604	Heptachlor	76-44-8	N.D.	1.0	5.0	ug/l	50
01605	Aldrin	309-00-2	N.D.	2.5	10.	ug/l	50
01606	Heptachlor Epoxide	1024-57-3	N.D.	5.0	5.0	ug/l	50
01607	p,p-DDE	72-55-9	N.D.	120.	120.	ug/l	50
01608	p,p-DDD	72-54-8	N.D.	3.0	10.	ug/l	50
01609	p,p-DDT	50-29-3	N.D.	3.0	10.	ug/l	50
01610	Dieldrin	60-57-1	N.D.	53.	53.	ug/l	50
01611	Endrin	72-20-8	N.D.	2.0	10.	ug/l	50
01612	Chlordane	57-74-9	N.D.	35.	250.	ug/l	50
01613	Toxaphene	8001-35-2	N.D.	150.	500.	ug/l	50
01615	Endosulfan II	33213-65-9	N.D.	2.0	10.	ug/l	50
01616	Endosulfan I	959-98-8	N.D.	1.0	5.0	ug/l	50
01617	Endosulfan Sulfate	1031-07-8	N.D.	3.0	10.	ug/l	50
01618	Endrin Aldehyde	7421-93-4	N.D.	50.	50.	ug/l	50
01619	PCB-1016	12674-11-2	N.D.	50.	250.	ug/l	50
01620	PCB-1221	11104-28-2	N.D.	55.	250.	ug/l	50
01621	PCB-1232	11141-16-5	N.D.	50.	250.	ug/l	50

\*=This limit was used in the evaluation of the final result

AR100800

Lancaster Laboratories Sample No. WW 4581412

05-MET-115 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 10:45

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:39

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01622	PCB-1242	53469-21-9	N.D.	50.	250.	ug/l	50
01623	PCB-1248	12672-29-6	1,300.	50.	250.	ug/l	50
01624	PCB-1254	11097-69-1	1,600.	70.	250.	ug/l	50
01626	PCB-1260	11096-82-5	1,600.	50.	250.	ug/l	50
01860	Methoxychlor	72-43-5	N.D.	15.	50.	ug/l	50
<p>Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for gamma-BHC, heptachlor, 4,4'-DDE, endosulfan I, and endrin aldehyde.</p> <p>Despite cleanup methods, we were unable to reach our usual reporting limits.</p> <p>Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.</p>							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.029	ug/l	1
<p>The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.</p>							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	92.	9.	47.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	19. J	9.	47.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	9.	47.	ug/l	1
03925	Phenol	108-95-2	230.	9.	47.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	9.	47.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	860.	28.	95.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	9.	47.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	9.	47.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	9.	47.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	190.	570.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	95.	280.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	47.	140.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	28.	140.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	19.	47.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	9.	47.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	9.	47.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	9.	47.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	34. J	9.	47.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	9.	47.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	9.	47.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100801



Lancaster Laboratories Sample No. WW 4581412

05-MET-115 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 10:45

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	9.	47.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	9.	47.	ug/l	1
03944	Isophorone	78-59-1	N.D.	9.	47.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	9.	47.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	9.	47.	ug/l	1
03947	Naphthalene	91-20-3	87.	9.	47.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	9.	47.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	47.	140.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	9.	47.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	9.	47.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	19.	47.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	9.	47.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	9.	47.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	9.	47.	ug/l	1
03956	Fluorene	86-73-7	N.D.	9.	47.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	9.	47.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	19.	47.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	9.	47.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	19.	47.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	9.	47.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	9.	47.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	9.	47.	ug/l	1
03964	Anthracene	120-12-7	N.D.	9.	47.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	19.	47.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	9.	47.	ug/l	1
03967	Pyrene	129-00-0	N.D.	9.	47.	ug/l	1
03968	Benzidine	92-87-5	N.D.	190.	570.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	19.	47.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	9.	47.	ug/l	1
03971	Chrysene	218-01-9	N.D.	9.	47.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	19.	47.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	120.	19.	47.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	19.	47.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	9.	47.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	9.	47.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	9.	47.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	9.	47.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	9.	47.	ug/l	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4581412

05-MET-115 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 10:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:39

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	9.	47.	ug/l	1
	Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	50.	ug/l	10
02015	t-Butyl alcohol	75-65-0	N.D.	100.	800.	ug/l	10
05385	Chloromethane	74-87-3	N.D.	10.	50.	ug/l	10
05386	Vinyl Chloride	75-01-4	23. J	10.	50.	ug/l	10
05387	Bromomethane	74-83-9	N.D.	10.	50.	ug/l	10
05388	Chloroethane	75-00-3	39. J	10.	50.	ug/l	10
05389	Trichlorofluoromethane	75-69-4	N.D.	20.	50.	ug/l	10
05390	1,1-Dichloroethene	75-35-4	N.D.	8.	50.	ug/l	10
05391	Methylene Chloride	75-09-2	N.D.	20.	50.	ug/l	10
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	8.	50.	ug/l	10
05393	1,1-Dichloroethane	75-34-3	100.	10.	50.	ug/l	10
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	8.	50.	ug/l	10
05396	Chloroform	67-66-3	N.D.	8.	50.	ug/l	10
05398	1,1,1-Trichloroethane	71-55-6	N.D.	8.	50.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.	10.	50.	ug/l	10
05401	Benzene	71-43-2	67.	5.	50.	ug/l	10
05402	1,2-Dichloroethane	107-06-2	N.D.	10.	50.	ug/l	10
05403	Trichloroethene	79-01-6	N.D.	10.	50.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.	10.	50.	ug/l	10
05406	Bromodichloromethane	75-27-4	N.D.	10.	50.	ug/l	10
05407	Toluene	108-88-3	330.	7.	50.	ug/l	10
05408	1,1,2-Trichloroethane	79-00-5	N.D.	8.	50.	ug/l	10
05409	Tetrachloroethene	127-18-4	N.D.	8.	50.	ug/l	10
05411	Dibromochloromethane	124-48-1	N.D.	10.	50.	ug/l	10
05413	Chlorobenzene	108-90-7	48. J	8.	50.	ug/l	10
05415	Ethylbenzene	100-41-4	370.	8.	50.	ug/l	10
05419	Bromoform	75-25-2	N.D.	10.	50.	ug/l	10
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	10.	50.	ug/l	10
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	10.	50.	ug/l	10
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	10.	50.	ug/l	10
06310	Xylene (Total)	1330-20-7	570.	8.	50.	ug/l	10
06875	Acrylonitrile	107-13-1	N.D.	40.	200.	ug/l	10
06888	Acrolein	107-02-8	N.D.	400.	1,000.	ug/l	10
	The usual reporting limits could not be attained due to the matrix of the sample in the GC/MS volatile analysis.						

\*=This limit was used in the evaluation of the final result

AR100803

Lancaster Laboratories Sample No. WW 4581412

05-MET-115 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 10:45 by [REDACTED] Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-115

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:58	<span style="background-color: black; color: black;">[REDACTED]</span>	50
07022	Thallium	SW-846 6010B	1	08/16/2005 23:35	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 20:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/15/2005 20:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/15/2005 20:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 20:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 23:35	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/15/2005 20:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/15/2005 20:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/15/2005 20:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/15/2005 20:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/15/2005 20:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/16/2005 23:35	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/18/2005 11:33	<span style="background-color: black; color: black;">[REDACTED]</span>	5
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 16:08	<span style="background-color: black; color: black;">[REDACTED]</span>	50

\* = This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4581412

05-MET-115 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 10:45 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-115					
07879	EDB	SW-846 8011	1	08/18/2005 09:30	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/13/2005 00:19	1
07582	PPL Volatiles	SW-846 8260B	1	08/17/2005 07:32	10
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/17/2005 07:32	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/16/2005 14:15	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581412  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug16a.b/lgl6s25.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/17/05  
Column: (pack/cap) CAP Dilution Factor: 10.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	13.73	100	J
2.	Unknown	14.08	100	J
3. 76-22-2	Camphor	14.26	70	J
4. 91-20-3	Naphthalene	14.50	57	J
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100806

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) WATER Lab Sample ID: 4581412  
Sample wt/vol: 1056 (g/mL) mL Lab File ID: oh0434.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/11/05  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/13/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.106-44-5	Phenol, 4-methyl-	3.965	26000	J
2.	Unknown	4.088	34000	J
3.	Unknown	4.315	1200	J
4.	Phenol, 2,6-dimethyl-	4.420	1200	JX
5.	Camphor	4.444	2600	JX
6.	Phenol, 2-(1-methylethyl)-	4.684	2100	JX
7.	2-Oxabicyclo[2.2.2]octan-6-o	4.875	1000	JX
8.	Benzoic acid, 3-methyl-	5.127	4300	JX
9.	Unknown	5.157	1400	J
10.	Unknown	5.176	1800	J
11.	Unknown	5.207	2300	J
12.	Unknown	5.299	1100	J
13.	Unknown	5.434	450	J
14.	Unknown	6.147	1000	J
15.	Unknown	6.418	600	J
16.	Unknown	7.174	470	J
17.	Unknown	8.410	240	J
18.	Unknown	8.435	350	J
19.	Unknown	9.234	260	J
20.	1-Phenanthrenecarboxylic aci	9.369	2700	JX
21.	Unknown	9.615	300	J
22.	Unknown	9.843	230	J
23.	Unknown	10.070	570	J
24.	Unknown	10.359	820	J
25.	Unknown	11.060	630	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100807



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4581413

05-MET-115 Filtered Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 10:45

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:40

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	14.1 J	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	23.9	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	46.7	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	83.0	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	21.5	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	55.4	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 13:59	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/16/2005 23:51	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 20:12	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/15/2005 20:12	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/15/2005 20:12	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 20:12	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 23:51	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/15/2005 20:12	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/15/2005 20:12	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/15/2005 20:12	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/15/2005 20:12	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/15/2005 20:12	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 23:51	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100808



**Lancaster Laboratories Sample No. WW 4581413**

**05-MET-115 Filtered Grab Water Sample  
Former Metro Container Investigation**

Collected: 08/09/2005 10:45 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Lancaster Laboratories Sample No. WW 4581414

05-MET-123 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 13:10

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-123

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	6.2	20.0	ug/l	100
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	24.3	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	517.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	50.8	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	14.7 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	24.0	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	15.7	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	3,030.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	1,410.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	2,410.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	1,140.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	2.9 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	3,960.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	2,000.	90.	300.	ug/l	10
	The pH of this container was adjusted to <2 after receipt.						
08255	Total Cyanide	57-12-5	75.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	2.0	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	2.0	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR100810

Lancaster Laboratories Sample No. WW 4581414

05-MET-123 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 13:10

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:40

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-123

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	N.D.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	14. J	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, and 4,4'-DDT.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0098	0.029	ug/l	1
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04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	50.	250.	ug/l	5
02752	1-Methylnaphthalene	90-12-0	N.D.	50.	250.	ug/l	5
03924	2-Chlorophenol	95-57-8	N.D.	50.	250.	ug/l	5
03925	Phenol	108-95-2	400.	50.	250.	ug/l	5
03926	2-Nitrophenol	88-75-5	N.D.	50.	250.	ug/l	5
03927	2,4-Dimethylphenol	105-67-9	250. J	150.	500.	ug/l	5
03928	2,4-Dichlorophenol	120-83-2	N.D.	50.	250.	ug/l	5
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	50.	250.	ug/l	5
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	50.	250.	ug/l	5
03931	2,4-Dinitrophenol	51-28-5	N.D.	1,000.	3,000.	ug/l	5
03932	4-Nitrophenol	100-02-7	N.D.	500.	1,500.	ug/l	5
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	250.	750.	ug/l	5
03934	Pentachlorophenol	87-86-5	N.D.	150.	750.	ug/l	5
03935	N-Nitrosodimethylamine	62-75-9	N.D.	100.	250.	ug/l	5
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	50.	250.	ug/l	5
03937	1,3-Dichlorobenzene	541-73-1	N.D.	50.	250.	ug/l	5
03938	1,4-Dichlorobenzene	106-46-7	N.D.	50.	250.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100811

Lancaster Laboratories Sample No. WW 4581414

05-MET-123 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 13:10

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-123

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03939	1,2-Dichlorobenzene	95-50-1	N.D.	50.	250.	ug/l	5
03940	bis(2-Chloroisopropyl) ether	108-60-1	N.D.	50.	250.	ug/l	5
03941	Hexachloroethane	67-72-1	N.D.	50.	250.	ug/l	5
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	50.	250.	ug/l	5
03943	Nitrobenzene	98-95-3	N.D.	50.	250.	ug/l	5
03944	Isophorone	78-59-1	N.D.	50.	250.	ug/l	5
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	50.	250.	ug/l	5
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	50.	250.	ug/l	5
03947	Naphthalene	91-20-3	N.D.	50.	250.	ug/l	5
03948	Hexachlorobutadiene	87-68-3	N.D.	50.	250.	ug/l	5
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	250.	750.	ug/l	5
03950	2-Chloronaphthalene	91-58-7	N.D.	50.	250.	ug/l	5
03951	Acenaphthylene	208-96-8	N.D.	50.	250.	ug/l	5
03952	Dimethylphthalate	131-11-3	N.D.	100.	250.	ug/l	5
03953	2,6-Dinitrotoluene	606-20-2	N.D.	50.	250.	ug/l	5
03954	Acenaphthene	83-32-9	N.D.	50.	250.	ug/l	5
03955	2,4-Dinitrotoluene	121-14-2	N.D.	50.	250.	ug/l	5
03956	Fluorene	86-73-7	N.D.	50.	250.	ug/l	5
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	50.	250.	ug/l	5
03958	Diethylphthalate	84-66-2	N.D.	100.	250.	ug/l	5
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	50.	250.	ug/l	5
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	100.	250.	ug/l	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	50.	250.	ug/l	5
03962	Hexachlorobenzene	118-74-1	N.D.	50.	250.	ug/l	5
03963	Phenanthrene	85-01-8	180.	J 50.	250.	ug/l	5
03964	Anthracene	120-12-7	N.D.	50.	250.	ug/l	5
03965	Di-n-butylphthalate	84-74-2	N.D.	100.	250.	ug/l	5
03966	Fluoranthene	206-44-0	98.	J 50.	250.	ug/l	5
03967	Pyrene	129-00-0	360.	50.	250.	ug/l	5
03968	Benzidine	92-87-5	N.D.	1,000.	3,000.	ug/l	5
03969	Butylbenzylphthalate	85-68-7	N.D.	100.	250.	ug/l	5
03970	Benzo(a)anthracene	56-55-3	240.	J 50.	250.	ug/l	5
03971	Chrysene	218-01-9	500.	50.	250.	ug/l	5
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	100.	250.	ug/l	5
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	100.	250.	ug/l	5
03974	Di-n-octylphthalate	117-84-0	N.D.	100.	250.	ug/l	5
03975	Benzo(b)fluoranthene	205-99-2	130.	J 50.	250.	ug/l	5
03976	Benzo(k)fluoranthene	207-08-9	51.	J 50.	250.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100812

Lancaster Laboratories Sample No. WW 4581414

05-MET-123 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 13:10

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-123

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03977	Benzo(a)pyrene	50-32-8	170. J	50.	250.	ug/l	5
03978	Indeno(1,2,3-cd)pyrene	193-39-5	58. J	50.	250.	ug/l	5
03979	Dibenz(a,h)anthracene	53-70-3	75. J	50.	250.	ug/l	5
03980	Benzo(g,h,i)perylene	191-24-2	110. J	50.	250.	ug/l	5

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	25.	250.	ug/l	50
02015	t-Butyl alcohol	75-65-0	N.D.	500.	4,000.	ug/l	50
05385	Chloromethane	74-87-3	N.D.	50.	250.	ug/l	50
05386	Vinyl Chloride	75-01-4	N.D.	50.	250.	ug/l	50
05387	Bromomethane	74-83-9	N.D.	50.	250.	ug/l	50
05388	Chloroethane	75-00-3	N.D.	50.	250.	ug/l	50
05389	Trichlorofluoromethane	75-69-4	N.D.	100.	250.	ug/l	50
05390	1,1-Dichloroethene	75-35-4	N.D.	40.	250.	ug/l	50
05391	Methylene Chloride	75-09-2	N.D.	100.	250.	ug/l	50
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	40.	250.	ug/l	50
05393	1,1-Dichloroethane	75-34-3	N.D.	50.	250.	ug/l	50
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	40.	250.	ug/l	50
05396	Chloroform	67-66-3	N.D.	40.	250.	ug/l	50
05398	1,1,1-Trichloroethane	71-55-6	N.D.	40.	250.	ug/l	50
05399	Carbon Tetrachloride	56-23-5	N.D.	50.	250.	ug/l	50
05401	Benzene	71-43-2	N.D.	25.	250.	ug/l	50
05402	1,2-Dichloroethane	107-06-2	N.D.	50.	250.	ug/l	50
05403	Trichloroethene	79-01-6	N.D.	50.	250.	ug/l	50
05404	1,2-Dichloropropane	78-87-5	N.D.	50.	250.	ug/l	50
05406	Bromodichloromethane	75-27-4	N.D.	50.	250.	ug/l	50
05407	Toluene	108-88-3	N.D.	35.	250.	ug/l	50
05408	1,1,2-Trichloroethane	79-00-5	N.D.	40.	250.	ug/l	50
05409	Tetrachloroethene	127-18-4	N.D.	40.	250.	ug/l	50
05411	Dibromochloromethane	124-48-1	N.D.	50.	250.	ug/l	50
05413	Chlorobenzene	108-90-7	N.D.	40.	250.	ug/l	50
05415	Ethylbenzene	100-41-4	N.D.	40.	250.	ug/l	50
05419	Bromoform	75-25-2	N.D.	50.	250.	ug/l	50
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	50.	250.	ug/l	50

\*=This limit was used in the evaluation of the final result

AR100813

Lancaster Laboratories Sample No. WW 4581414

05-MET-123 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 13:10

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:40

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-123

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	50.	250.	ug/l	50
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	50.	250.	ug/l	50
06310	Xylene (Total)	1330-20-7	N.D.	40.	250.	ug/l	50
06875	Acrylonitrile	107-13-1	N.D.	200.	1,000.	ug/l	50
06888	Acrolein	107-02-8	N.D.	2,000.	5,000.	ug/l	50
2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.							

The reporting limits for the GC/MS volatile compounds were raised due to sample foaming.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:00	[REDACTED]	100
07022	Thallium	SW-846 6010B	1	08/16/2005 23:56	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 20:17	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/15/2005 20:17	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/15/2005 20:17	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 20:17	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 23:56	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/15/2005 20:17	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100814

Lancaster Laboratories Sample No. WW 4581414

05-MET-123 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 13:10

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-123						
07053	Copper	SW-846 6010B	1	08/15/2005 20:17	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/15/2005 20:17	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/15/2005 20:17	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/15/2005 20:17	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 23:56	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:35	[REDACTED]	10
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 19:24	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 04:24	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/18/2005 10:01	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/13/2005 00:40	[REDACTED]	5
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 09:06	[REDACTED]	50
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 09:06	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4581414  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s53.d  
 Level: (low/med) LOW Date Received: 08/10/05  
 % Moisture: not dec. Date Analyzed: 08/16/05  
 Column: (pack/cap) CAP Dilution Factor: 50.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.72	300	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100816

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) WATER Lab Sample ID: 4581414  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0435.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/05  
Injection Volume: 1 (uL) Dilution Factor: 5  
GPC Cleanup: N pH:                      Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Organic Acid	4.260	2800	J
2.	!Unknown Alkane	6.110	580	J
3.	!Unknown	6.301	450	J
4.	!Unknown Alkane	6.910	2600	J
5.	!Unknown Alkane	7.629	2900	J
6.	!Unknown Cycloalkane	7.894	1500	J
7.	!Unknown Alkane	7.967	5000	J
8.	!Unknown	8.023	2500	J
9.	!Unknown Alkane	8.090	2200	J
10.	!Unknown	8.109	1900	J
11.	!Phenanthrene, 2,7-dimethyl-	8.176	2000	JX
12.	!Unknown	8.201	2100	J
13.	!Unknown	8.226	2300	J
14.10544-50-0	!Cyclic octaatomic sulfur	8.324	2400	J
15.	!Unknown Alkane	8.398	13000	J
16.	!Unknown Alkane	8.884	19000	J
17.	!Unknown Alkane	9.166	16000	J
18.	!Unknown	9.326	13000	J
19.	!Unknown Alkane	9.437	26000	J
20.	!Unknown Alkane	9.701	14000	J
21.	!Benzo[c]phenanthrene, 6-meth	9.781	14000	JX
22.	!Unknown Alkane	9.966	13000	J
23.	!Unknown Alkane	10.218	11000	J
24.	!Unknown	10.722	6600	J
25.	!Unknown Alkane	11.220	7800	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100817



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4581415

05-MET-123 Filtered Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 13:10

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:41

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	220.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	30.7	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	50.6	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	4.0 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	979.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	286.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	57.6 J	26.5	100.	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:01	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/17/2005 00:01	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 20:22	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/15/2005 20:22	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/15/2005 20:22	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 20:22	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/17/2005 00:01	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/15/2005 20:22	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/15/2005 20:22	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/15/2005 20:22	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/15/2005 20:22	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/15/2005 20:22	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/17/2005 09:57	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100818



# ***Analysis Report***

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Page 2 of 2  
REVISED

**Lancaster Laboratories Sample No. WW 4581415**

**05-MET-123 Filtered Grab Water Sample  
Former Metro Container Investigation**

Collected: 08/09/2005 13:10 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4581416

05-MET-105 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 14:30

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-105

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	17.3 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	64.2	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	14.0 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	46.4	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	6.6	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	119.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	1,870.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	888.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	7,410.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	335.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	5.1	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	4,720.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	400.	9.0	30.	ug/l	1
	The pH of this container was adjusted to <2 after receipt.						
08255	Total Cyanide	57-12-5	6.7 J	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.10	0.50	ug/l	5
01601	Beta BHC	319-85-7	N.D.	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.10	0.50	ug/l	5
01603	Delta BHC	319-86-8	N.D.	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.10	0.50	ug/l	5
01605	Aldrin	309-00-2	N.D.	0.25	1.0	ug/l	5
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.10	0.50	ug/l	5
01607	p,p-DDE	72-55-9	N.D.	2.7	2.7	ug/l	5
01608	p,p-DDD	72-54-8	N.D.	0.30	1.0	ug/l	5
01609	p,p-DDT	50-29-3	N.D.	0.30	1.0	ug/l	5
01610	Dieldrin	60-57-1	N.D.	2.2	2.2	ug/l	5
01611	Endrin	72-20-8	N.D.	0.20	1.0	ug/l	5
01612	Chlordane	57-74-9	N.D.	3.5	25.	ug/l	5
01613	Toxaphene	8001-35-2	N.D.	15.	50.	ug/l	5
01615	Endosulfan II	33213-65-9	N.D.	0.20	1.0	ug/l	5
01616	Endosulfan I	959-98-8	N.D.	0.10	0.50	ug/l	5
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.30	1.0	ug/l	5
01618	Endrin Aldehyde	7421-93-4	N.D.	5.0	5.0	ug/l	5
01619	PCB-1016	12674-11-2	N.D.	5.0	25.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100820

Lancaster Laboratories Sample No. WW 4581416

05-MET-105 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:41

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-105

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	5.5	25.	ug/l	5
01621	PCB-1232	11141-16-5	N.D.	5.0	25.	ug/l	5
01622	PCB-1242	53469-21-9	N.D.	5.0	25.	ug/l	5
01623	PCB-1248	12672-29-6	85.	5.0	25.	ug/l	5
01624	PCB-1254	11097-69-1	100.	7.0	25.	ug/l	5
01626	PCB-1260	11096-82-5	180.	5.0	25.	ug/l	5
01860	Methoxychlor	72-43-5	N.D.	1.5	5.0	ug/l	5

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	15.	J	10.	48.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	25.	J	10.	48.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.		10.	48.	ug/l	1
03925	Phenol	108-95-2	N.D.		10.	48.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.		10.	48.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	210.		29.	96.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.		10.	48.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.		10.	48.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.		10.	48.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.		190.	570.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.		96.	290.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.		48.	140.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.		29.	140.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.		19.	48.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.		10.	48.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.		10.	48.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	22.	J	10.	48.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	29.	J	10.	48.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.		10.	48.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.		10.	48.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.		10.	48.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.		10.	48.	ug/l	1
03944	Isophorone	78-59-1	N.D.		10.	48.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.		10.	48.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100821

Lancaster Laboratories Sample No. WW 4581416

05-MET-105 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 14:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-105

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	48.	ug/l	1
03947	Naphthalene	91-20-3	96.	10.	48.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	48.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	48.	140.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	48.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	48.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	19.	48.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	48.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	48.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	48.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	48.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	48.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	19.	48.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	48.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	31. J	19.	48.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	48.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	48.	ug/l	1
03963	Phenanthrene	85-01-8	15. J	10.	48.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	48.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	19.	48.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	48.	ug/l	1
03967	Pyrene	129-00-0	15. J	10.	48.	ug/l	1
03968	Benzidine	92-87-5	N.D.	190.	570.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	19.	48.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	48.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	48.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	19.	48.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	110.	19.	48.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	19.	48.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	48.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	48.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	48.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	48.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	48.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	48.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result



Lancaster Laboratories Sample No. WW 4581416

05-MET-105 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:41

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-105

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3.	25.	ug/l	5
02015	t-Butyl alcohol	75-65-0	77. J	50.	400.	ug/l	5
05385	Chloromethane	74-87-3	N.D.	5.	25.	ug/l	5
05386	Vinyl Chloride	75-01-4	N.D.	5.	25.	ug/l	5
05387	Bromomethane	74-83-9	N.D.	5.	25.	ug/l	5
05388	Chloroethane	75-00-3	N.D.	5.	25.	ug/l	5
05389	Trichlorofluoromethane	75-69-4	N.D.	10.	25.	ug/l	5
05390	1,1-Dichloroethene	75-35-4	N.D.	4.	25.	ug/l	5
05391	Methylene Chloride	75-09-2	N.D.	10.	25.	ug/l	5
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	4.	25.	ug/l	5
05393	1,1-Dichloroethane	75-34-3	N.D.	5.	25.	ug/l	5
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	4.	25.	ug/l	5
05396	Chloroform	67-66-3	N.D.	4.	25.	ug/l	5
05398	1,1,1-Trichloroethane	71-55-6	N.D.	4.	25.	ug/l	5
05399	Carbon Tetrachloride	56-23-5	N.D.	5.	25.	ug/l	5
05401	Benzene	71-43-2	24. J	3.	25.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	N.D.	5.	25.	ug/l	5
05403	Trichloroethene	79-01-6	N.D.	5.	25.	ug/l	5
05404	1,2-Dichloropropane	78-87-5	N.D.	5.	25.	ug/l	5
05406	Bromodichloromethane	75-27-4	N.D.	5.	25.	ug/l	5
05407	Toluene	108-88-3	17. J	4.	25.	ug/l	5
05408	1,1,2-Trichloroethane	79-00-5	N.D.	4.	25.	ug/l	5
05409	Tetrachloroethene	127-18-4	N.D.	4.	25.	ug/l	5
05411	Dibromochloromethane	124-48-1	N.D.	5.	25.	ug/l	5
05413	Chlorobenzene	108-90-7	12. J	4.	25.	ug/l	5
05415	Ethylbenzene	100-41-4	10. J	4.	25.	ug/l	5
05419	Bromoform	75-25-2	N.D.	5.	25.	ug/l	5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.	25.	ug/l	5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.	25.	ug/l	5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.	25.	ug/l	5
06310	Xylene (Total)	1330-20-7	260.	4.	25.	ug/l	5
06875	Acrylonitrile	107-13-1	N.D.	20.	100.	ug/l	5
06888	Acrolein	107-02-8	N.D.	200.	500.	ug/l	5

2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

The sample for the GC/MS volatile analysis was received with headspace.

The reporting limits for the GC/MS volatile compounds were raised due to

\*=This limit was used in the evaluation of the final result

AR100823

Lancaster Laboratories Sample No. WW 4581416

05-MET-105 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 14:30 by [REDACTED] Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-105

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
	insufficient sample volume. The sample vials contained large quantities of soil sediment.						

00890 VOA GC/MS Library Search  
The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search  
The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037  
After receipt the pH of the metals container for this sample was adjusted to <2.

Ethylene dibromide is being reported as a GC/MS Volatile compound because the sample solidified during the ethylene dibromide extraction by SW-846 8011.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:03	<span style="background-color: black; color: black;">[REDACTED]</span>	10
07022	Thallium	SW-846 6010B	1	08/17/2005 00:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 20:27	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/15/2005 20:27	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/15/2005 20:27	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 20:27	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/17/2005 00:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/15/2005 20:27	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/15/2005 20:27	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/15/2005 20:27	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/15/2005 20:27	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/15/2005 20:27	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/17/2005 00:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/18/2005 11:36	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR100824

Lancaster Laboratories Sample No. WW 4581416

05-MET-105 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 14:30 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-105								
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 19:27		1		
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 16:28		5		
04678	PPL Semivolatiles	SW-846 8270C	1	08/13/2005 01:01		1		
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 09:28		5		
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30		1		
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00		1		
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 09:28		n.a.		
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30		1		
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30		1		
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/16/2005 14:15		1		
08256	Cyanide Water Distillation	SW-846 9012A	1	08/12/2005 10:00		1		

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581416  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s54.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 5.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.71	57	J
2.	Unknown aromatic	12.34	27	J
3.	Unknown aromatic	12.68	79	J
4.	Unknown aromatic	12.99	49	J
5.	Unknown	13.73	28	J
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100826

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) WATER Lab Sample ID: 4581416  
Sample wt/vol: 1046 (g/mL) mL Lab File ID: oh0436.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/11/05  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/13/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	4.352	190	J
2.	!Unknown	4.444	260	J
3.	!Phenol, 2-(1-methylethyl)-	4.684	560	JX
4.	!Unknown	4.788	160	J
5.	!Unknown	4.850	140	J
6.	!Unknown	4.991	130	J
7.	!Unknown	5.047	180	J
8.	!Unknown	5.059	210	J
9.	!Benzeneacetic acid, .alpha.-	5.410	3100	JX
10.	!p-Tolylacetic acid	5.440	6900	JX
11.	!Unknown	6.110	7200	J
12.	!Unknown	6.369	3500	J
13.	!Unknown	6.559	4200	J
14.	!Unknown	7.014	2300	J
15.	!Unknown	7.764	2800	J
16.	!Unknown	8.103	1700	J
17.80-05-7	!Phenol, 4,4'-(1-methylethyl)-	8.558	570	J
18.	!Unknown	9.259	75	J
19.	!Unknown	9.314	97	J
20.	!1-Phenanthrenecarboxylic aci	9.332	240	JX
21.	!Unknown	9.548	98	J
22.	!Unknown	9.597	160	J
23.	!Unknown	10.046	150	J
24.	!Unknown	10.126	130	J
25.	!Unknown	10.986	170	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100827

Lancaster Laboratories Sample No. WW 4581417

05-MET-105 Filtered Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:42

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	7.1 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	46.0	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	18.7	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:04	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/17/2005 00:12	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 20:33	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/15/2005 20:33	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/15/2005 20:33	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 20:33	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/17/2005 00:12	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/15/2005 20:33	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/15/2005 20:33	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/15/2005 20:33	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/15/2005 20:33	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/15/2005 20:33	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/17/2005 10:00	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100828

Lancaster Laboratories Sample No. WW 4581418

05-MET-110 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:42

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	45.4	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	142.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	243.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	173.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	1,320.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	168.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	6,500.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	99,300.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	18,300.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	458,000.	8.4	20.0	ug/l	5
07061	Nickel	7440-02-0	3,150.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	218.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	172,000.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	130.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
	Matrix QC was performed on this sample for the cyanide analysis. Please see the attached QC Summary report for the parameter showing a matrix bias.						
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	4.0	20.	ug/l	200
01601	Beta BHC	319-85-7	N.D.	24.	80.	ug/l	200
01602	Gamma BHC - Lindane	58-89-9	N.D.	4.0	20.	ug/l	200
01603	Delta BHC	319-86-8	N.D.	7.6	20.	ug/l	200
01604	Heptachlor	76-44-8	N.D.	4.0	20.	ug/l	200
01605	Aldrin	309-00-2	N.D.	10.	40.	ug/l	200
01606	Heptachlor Epoxide	1024-57-3	N.D.	4.0	20.	ug/l	200
01607	p,p-DDE	72-55-9	N.D.	140.	140.	ug/l	200
01608	p,p-DDD	72-54-8	N.D.	12.	40.	ug/l	200
01609	p,p-DDT	50-29-3	N.D.	12.	40.	ug/l	200
01610	Dieldrin	60-57-1	N.D.	81.	81.	ug/l	200
01611	Endrin	72-20-8	N.D.	8.0	40.	ug/l	200
01612	Chlordane	57-74-9	N.D.	140.	1,000.	ug/l	200
01613	Toxaphene	8001-35-2	N.D.	600.	2,000.	ug/l	200
01615	Endosulfan II	33213-65-9	N.D.	8.0	40.	ug/l	200
01616	Endosulfan I	959-98-8	N.D.	4.0	20.	ug/l	200
01617	Endosulfan Sulfate	1031-07-8	N.D.	12.	40.	ug/l	200
01618	Endrin Aldehyde	7421-93-4	N.D.	46.	200.	ug/l	200

\*=This limit was used in the evaluation of the final result

AR100829



Lancaster Laboratories Sample No. WW 4581418

05-MET-110 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	200.	1,000.	ug/l	200
01620	PCB-1221	11104-28-2	N.D.	220.	1,000.	ug/l	200
01621	PCB-1232	11141-16-5	N.D.	200.	1,000.	ug/l	200
01622	PCB-1242	53469-21-9	N.D.	200.	1,000.	ug/l	200
01623	PCB-1248	12672-29-6	3,700.	200.	1,000.	ug/l	200
01624	PCB-1254	11097-69-1	3,100.	280.	1,000.	ug/l	200
01626	PCB-1260	11096-82-5	2,600.	200.	1,000.	ug/l	200
01860	Methoxychlor	72-43-5	N.D.	60.	200.	ug/l	200
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and dieldrin.							
Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0098	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	5.	24.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	65.	5.	24.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	5.	24.	ug/l	1
03925	Phenol	108-95-2	N.D.	5.	24.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	5.	24.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	28. J	14.	47.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	5.	24.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	5.	24.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	5.	24.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	95.	280.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	47.	140.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	24.	71.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	14.	71.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	9.	24.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	5.	24.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	32.	5.	24.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	56.	5.	24.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	17. J	5.	24.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	5.	24.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	5.	24.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100830

Lancaster Laboratories Sample No. WW 4581418

05-MET-110 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 15:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:42

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	5.	24.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	5.	24.	ug/l	1
03944	Isophorone	78-59-1	N.D.	5.	24.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	5.	24.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	5.	24.	ug/l	1
03947	Naphthalene	91-20-3	98.	5.	24.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	5.	24.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	24.	71.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	5.	24.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	5.	24.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	9.	24.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	5.	24.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	5.	24.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	5.	24.	ug/l	1
03956	Fluorene	86-73-7	10. J	5.	24.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	5.	24.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	9.	24.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	5.	24.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	20. J	9.	24.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	5.	24.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	5.	24.	ug/l	1
03963	Phenanthrene	85-01-8	38.	5.	24.	ug/l	1
03964	Anthracene	120-12-7	12. J	5.	24.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	9.	24.	ug/l	1
03966	Fluoranthene	206-44-0	20. J	5.	24.	ug/l	1
03967	Pyrene	129-00-0	33.	5.	24.	ug/l	1
03968	Benzidine	92-87-5	N.D.	95.	280.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	9.	24.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	11. J	5.	24.	ug/l	1
03971	Chrysene	218-01-9	16. J	5.	24.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	9.	24.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	150.	9.	24.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	9.	24.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	5.	24.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	5.	24.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	5.	24.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	5.	24.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	5.	24.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100831

Lancaster Laboratories Sample No. WW 4581418

05-MET-110 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:42

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	5.	24.	ug/l	1
	Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	23. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	1. J	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	0.9 J	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	32.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	2. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	45.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	4. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	81.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

2-Chloroethyl vinyl ether could not be reported for this sample, because the

\*=This limit was used in the evaluation of the final result

AR100832

Lancaster Laboratories Sample No. WW 4581418

05-MET-110 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 15:00 by [REDACTED] Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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instrument was not calibrated for this compound.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:05	<span style="background-color: black; color: black;">[REDACTED]</span>	50
07022	Thallium	SW-846 6010B	1	08/17/2005 00:17	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 20:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/15/2005 20:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/15/2005 20:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 20:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/17/2005 00:17	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/15/2005 20:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/15/2005 20:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/17/2005 00:22	<span style="background-color: black; color: black;">[REDACTED]</span>	5
07061	Nickel	SW-846 6010B	1	08/15/2005 20:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/15/2005 20:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/17/2005 00:17	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/18/2005 10:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 16:49	<span style="background-color: black; color: black;">[REDACTED]</span>	200
07879	EDB	SW-846 8011	1	08/18/2005 10:31	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/13/2005 01:22	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR100833

Lancaster Laboratories Sample No. WW 4581418

05-MET-110 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 15:00 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-110						
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 04:15	■■■■■■■■■■	1
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30	■■■■■■■■■■■■■■■■	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	■■■■■■■■■■	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 04:15	■■■■■■■■■■■■■■	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30	■■■■■■■■■■	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	■■■■■■■■■■■■■■■■	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	■■■■■■■■■■■■■■	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/16/2005 14:15	■■■■■■■■■■■■■■	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30	■■■■■■■■■■	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581418  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s39.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.72	42	J
2.	Unknown aromatic	12.34	16	J
3.	Unknown aromatic	12.55	16	J
4.	Unknown aromatic	12.68	59	J
5.	Unknown aromatic	12.90	17	J
6.	Unknown aromatic	13.14	15	J
7.	Unknown aromatic	13.45	15	J
8.	Unknown alcohol	13.61	13	J
9.	Unknown aromatic	13.72	22	J
10.	Unknown aromatic	13.75	17	J
11.	Unknown aromatic	14.05	12	J
12.	Unknown	14.08	32	J
13. 91-20-3	Naphthalene	14.50	45	J
14. 91-57-6	Naphthalene, 2-methyl-	15.25	21	J
15.	Unknown aromatic	15.39	11	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100835

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581418  
Sample wt/vol: 1054 (g/mL) mL Lab File ID: oh0437.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/13/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	4.352	210	J
2.	!Unknown	6.110	130	J
3.	!Unknown	7.020	100	J
4.	!Unknown	7.764	100	J
5.	!4,4'-Dichlorobenzophenone	8.029	91	JX
6.	!Unknown	8.103	170	J
7.	!Unknown Alkane	8.201	89	J
8.10544-50-0	!Cyclic octaatomic sulfur	8.324	86	J
9.	!Unknown	8.355	180	J
10.	!Unknown	8.435	130	J
11.80-05-7	!Phenol, 4,4'-(1-methylethyl)	8.564	380	J
12.	!Unknown Cycloalkane	9.154	98	J
13.	!Unknown	9.308	87	J
14.	!Unknown Alkane	9.418	150	J
15.	!Unknown Alkane	9.843	98	J
16.	!Unknown Alkane	10.046	120	J
17.	!Unknown	10.242	130	J
18.	!Unknown Alkane	10.384	97	J
19.	!Unknown Alkane	10.507	120	J
20.	!Unknown Alkane	10.636	100	J
21.	!Unknown	10.667	110	J
22.	!Unknown Alkane	10.900	110	J
23.	!Unknown	10.986	130	J
24.	!Unknown	11.202	120	J
25.	!Unknown	11.288	100	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100836





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4581419

05-MET-110 Filtered Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:43

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	10.3 J		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	7.9 J		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/15/2005 14:07	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/17/2005 00:27	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 20:43	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/15/2005 20:43	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/15/2005 20:43	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 20:43	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/17/2005 00:27	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/15/2005 20:43	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/15/2005 20:43	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/15/2005 20:43	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/15/2005 20:43	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/15/2005 20:43	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/17/2005 10:04	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100837

**Lancaster Laboratories Sample No. WW 4581419**

**05-MET-110 Filtered Grab Water Sample  
Former Metro Container Investigation**

Collected: 08/09/2005 15:00 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:43  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Lancaster Laboratories Sample No. WW 4581420

05-MET-099 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:43

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W--99

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury The quantitation limit for mercury was increased due to the nature of the sample matrix.	7439-97-6	N.D.	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	82.6	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	24.2	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	1.7 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	50.9	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	565.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	250.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	2,970.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	241.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,150.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	180.	9.0	30.	ug/l	1
08255	Total Cyanide This sample was treated for sulfide using lead carbonate.	57-12-5	81.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.10	0.50	ug/l	5
01601	Beta BHC	319-85-7	N.D.	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.10	0.50	ug/l	5
01603	Delta BHC	319-86-8	N.D.	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.10	0.50	ug/l	5
01605	Aldrin	309-00-2	N.D.	0.25	1.0	ug/l	5
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.10	0.50	ug/l	5
01607	p,p-DDE	72-55-9	N.D.	5.1	5.1	ug/l	5
01608	p,p-DDD	72-54-8	N.D.	0.30	1.0	ug/l	5
01609	p,p-DDT	50-29-3	N.D.	0.30	1.0	ug/l	5
01610	Dieldrin	60-57-1	N.D.	1.5	1.5	ug/l	5
01611	Endrin	72-20-8	N.D.	0.20	1.0	ug/l	5
01612	Chlordane	57-74-9	N.D.	3.5	25.	ug/l	5
01613	Toxaphene	8001-35-2	N.D.	15.	50.	ug/l	5
01615	Endosulfan II	33213-65-9	N.D.	0.20	1.0	ug/l	5
01616	Endosulfan I	959-98-8	N.D.	0.10	0.50	ug/l	5
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.30	1.0	ug/l	5
01618	Endrin Aldehyde	7421-93-4	N.D.	1.2	5.0	ug/l	5
01619	PCB-1016	12674-11-2	N.D.	5.0	25.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100839

Lancaster Laboratories Sample No. WW 4581420

05-MET-099 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:43

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W--99

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	5.5	25.	ug/l	5
01621	PCB-1232	11141-16-5	N.D.	5.0	25.	ug/l	5
01622	PCB-1242	53469-21-9	N.D.	5.0	25.	ug/l	5
01623	PCB-1248	12672-29-6	70.	5.0	25.	ug/l	5
01624	PCB-1254	11097-69-1	53.	7.0	25.	ug/l	5
01626	PCB-1260	11096-82-5	37.	5.0	25.	ug/l	5
01860	Methoxychlor	72-43-5	N.D.	1.5	5.0	ug/l	5

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and dieldrin.

Despite cleanup methods, we were unable to reach our usual reporting limits.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
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The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	36.	5.	26.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	6. J	5.	26.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	5.	26.	ug/l	1
03925	Phenol	108-95-2	29.	5.	26.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	5.	26.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	19. J	16.	53.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	5.	26.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	5.	26.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	5.	26.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	110.	320.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	53.	160.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	26.	79.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	16.	79.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	11.	26.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	5.	26.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	5.	26.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	5.	26.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	5.	26.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	5.	26.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100840

Lancaster Laboratories Sample No. WW 4581420

05-MET-099 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:00

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:43

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W--99

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03941	Hexachloroethane	67-72-1	N.D.	5.	26.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	5.	26.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	5.	26.	ug/l	1
03944	Isophorone	78-59-1	N.D.	5.	26.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	5.	26.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	5.	26.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	5.	26.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	5.	26.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	26.	79.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	5.	26.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	5.	26.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	11.	26.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	5.	26.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	5.	26.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	5.	26.	ug/l	1
03956	Fluorene	86-73-7	N.D.	5.	26.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	5.	26.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	11.	26.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	5.	26.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	11.	26.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	5.	26.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	5.	26.	ug/l	1
03963	Phenanthrene	85-01-8	15. J	5.	26.	ug/l	1
03964	Anthracene	120-12-7	8. J	5.	26.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	11.	26.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	5.	26.	ug/l	1
03967	Pyrene	129-00-0	26. J	5.	26.	ug/l	1
03968	Benzidine	92-87-5	N.D.	110.	320.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	11.	26.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	18. J	5.	26.	ug/l	1
03971	Chrysene	218-01-9	16. J	5.	26.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	11.	26.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	91.	11.	26.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	11.	26.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	18. J	5.	26.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	8. J	5.	26.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	13. J	5.	26.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	9. J	5.	26.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100841

Lancaster Laboratories Sample No. WW 4581420

05-MET-099 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:43

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W--99

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	5.	26.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	9. J	5.	26.	ug/l	1
Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.							
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	100.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	4. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	3. J	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	6.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	4. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	7.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	22.	0.8	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100842

Lancaster Laboratories Sample No. WW 4581420

05-MET-099 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:43

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W--99

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:09	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/17/2005 00:33	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 20:59	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/15/2005 20:59	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/15/2005 20:59	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 20:59	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/17/2005 00:33	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/15/2005 20:59	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/15/2005 20:59	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/15/2005 20:59	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/15/2005 20:59	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/15/2005 20:59	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/17/2005 00:33	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 10:49	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100843



Lancaster Laboratories Sample No. WW 4581420

05-MET-099 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:43

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W--99

08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:22	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 17:09	[REDACTED]	5
07879	EDB	SW-846 8011	1	08/18/2005 11:31	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 06:00	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 03:30	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	2	08/16/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 03:30	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/16/2005 14:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581420  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s37.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 74-93-1	Methanethiol	2.37	150	J
2. 75-08-1	Ethanethiol	3.28	7	J
3.	Unknown	13.40	7	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100845

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581420  
Sample wt/vol: 945 (g/mL) mL Lab File ID: oh0546.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	4.904	77	J
2.	!Unknown	6.232	49	J
3.	!Unknown	6.711	47	J
4.10544-50-0	Cyclic octaatomic sulfur	7.960	16000	J
5.	!Unknown	9.195	30	J
6.	!Unknown	9.503	31	J
7.	!Unknown Alkane	9.570	36	J
8.	!Unknown Alkane	9.706	39	J
9.	!Unknown	9.773	40	J
10.	!Unknown Alkane	9.909	76	J
11.	!Unknown Alkane	9.976	62	J
12.	!Unknown	10.007	57	J
13.	!Unknown	10.204	46	J
14.	!Unknown	10.302	46	J
15.	!Unknown	10.511	140	J
16.	!Unknown	10.603	57	J
17.	!Unknown Alkane	10.714	57	J
18.	!Unknown	10.769	94	J
19.	!Unknown	10.831	130	J
20.	!Unknown	10.954	190	J
21.	!Unknown Alkane	11.009	64	J
22.	!Unknown	11.034	100	J
23.	!Unknown	11.286	53	J
24.	!Unknown	11.409	48	J
25.	!Unknown Alkane	11.563	54	J
26.	_____	_____	_____	_____
27.	_____	_____	_____	_____
28.	_____	_____	_____	_____
29.	_____	_____	_____	_____
30.	_____	_____	_____	_____

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100846



# Analysis Report

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Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4581421

05-MET-099 Filtered Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:43

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	16.3 J	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	14.5 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	3.6 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	54.3	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	13.7	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	218.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	16.0	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	81.0	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:12	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/17/2005 00:38	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 21:04	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/15/2005 21:04	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/15/2005 21:04	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 21:04	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/17/2005 00:38	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/15/2005 21:04	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/15/2005 21:04	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/15/2005 21:04	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/15/2005 21:04	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/15/2005 21:04	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/17/2005 00:38	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100847



# ***Analysis Report***

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Page 2 of 2  
REVISED

**Lancaster Laboratories Sample No. WW 4581421**

**05-MET-099 Filtered Grab Water Sample  
Former Metro Container Investigation**

Collected: 08/09/2005 16:00 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:43  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

\*=This limit was used in the evaluation of the final result

AR100848

Lancaster Laboratories Sample No. WW 4581422

05-MET-092 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:30

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:44

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W--92

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	42.4	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	399.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	42.0	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	188.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	9.2	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	62.0	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	2,290.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	983.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	4,190.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	1,130.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	6.1	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	4,760.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	280.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	120.	5.0	10.	ug/l	1
	This sample was treated for sulfide using lead carbonate.						
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.10	0.50	ug/l	5
01601	Beta BHC	319-85-7	N.D.	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.10	0.50	ug/l	5
01603	Delta BHC	319-86-8	N.D.	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.10	0.50	ug/l	5
01605	Aldrin	309-00-2	N.D.	0.25	1.0	ug/l	5
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.10	0.50	ug/l	5
01607	p,p-DDE	72-55-9	N.D.	12.	12.	ug/l	5
01608	p,p-DDD	72-54-8	N.D.	0.30	1.0	ug/l	5
01609	p,p-DDT	50-29-3	N.D.	0.30	1.0	ug/l	5
01610	Dieldrin	60-57-1	N.D.	3.8	3.8	ug/l	5
01611	Endrin	72-20-8	N.D.	0.20	1.0	ug/l	5
01612	Chlordane	57-74-9	130.	3.5	25.	ug/l	5
01613	Toxaphene	8001-35-2	N.D.	15.	50.	ug/l	5
01615	Endosulfan II	33213-65-9	N.D.	0.20	1.0	ug/l	5
01616	Endosulfan I	959-98-8	N.D.	0.10	0.50	ug/l	5
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.30	1.0	ug/l	5
01618	Endrin Aldehyde	7421-93-4	N.D.	1.2	5.0	ug/l	5
01619	PCB-1016	12674-11-2	N.D.	5.0	25.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR100849

Lancaster Laboratories Sample No. WW 4581422

05-MET-092 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:44

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W--92

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	5.5	25.	ug/l	5
01621	PCB-1232	11141-16-5	N.D.	5.0	25.	ug/l	5
01622	PCB-1242	53469-21-9	N.D.	5.0	25.	ug/l	5
01623	PCB-1248	12672-29-6	N.D.	51.	51.	ug/l	5
01624	PCB-1254	11097-69-1	150.	7.0	25.	ug/l	5
01626	PCB-1260	11096-82-5	35.	5.0	25.	ug/l	5
01860	Methoxychlor	72-43-5	N.D.	1.5	5.0	ug/l	5

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, and aroclor-1248. Despite cleanup methods, we were unable to reach our usual reporting limits.

07879 EDB

01087	Ethylene dibromide	106-93-4	0.096	0.0098	0.029	ug/l	1
The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.							

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	9.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	1. J	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	39.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	16.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	2. J	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	2. J	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	65.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100850



Lancaster Laboratories Sample No. WW 4581422

05-MET-092 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:30

by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:44  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W--92

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	2. J	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	2. J	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	3. J	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	4. J	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	6.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	3. J	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	6.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	8.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	4. J	1.	5.	ug/l	1
03971	Chrysene	218-01-9	3. J	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	14.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	5.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	2. J	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	3. J	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	2. J	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100851

Lancaster Laboratories Sample No. WW 4581422

05-MET-092 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:44  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W--92

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	2. J	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	35. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	3. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	13.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	4. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	8.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	4. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	5. J	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

\*=This limit was used in the evaluation of the final result

AR100852

Lancaster Laboratories Sample No. WW 4581422

05-MET-092 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:44

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W--92

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:14	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/17/2005 00:53	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 21:09	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/15/2005 21:09	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/15/2005 21:09	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 21:09	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/17/2005 00:53	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/15/2005 21:09	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/15/2005 21:09	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/15/2005 21:09	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/15/2005 21:09	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/15/2005 21:09	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/17/2005 00:53	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 10:54	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:23	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 05:46	[REDACTED]	5
07879	EDB	SW-846 8011	1	08/18/2005 12:01	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/13/2005 02:04	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 03:08	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100853

Page 6 of 8  
REVISED

1	08/11/2005	16:30	[REDACTED]	1
1	08/11/2005	22:00	[REDACTED]	1
1	08/16/2005	03:08	[REDACTED]	n.a.
1	08/14/2005	19:30	[REDACTED]	1
1	08/12/2005	18:30	[REDACTED]	1
1	08/12/2005	12:10	[REDACTED]	1
1	08/17/2005	14:20	[REDACTED]	1
1	08/15/2005	09:30	[REDACTED]	1

AR100854

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581422  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s36.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.86	170	J
2. 74-93-1	Methanethiol	2.37	630	J
3. 75-18-3	Dimethyl sulfide	3.55	6	J
4. 624-92-0	Disulfide, dimethyl	9.37	7	J
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100855

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581422  
Sample wt/vol: 1046 (g/mL) mL Lab File ID: oh0439.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.624-92-0	Disulfide, dimethyl	1.561	200	J
2.	Unknown Alcohol	1.684	62	J
3.	Unknown	2.815	57	J
4.3658-80-8	Dimethyl trisulfide	3.276	140	J
5.106-44-5	Phenol, 4-methyl-	3.971	50	J
6.5756-24-1	Dimethyl tetrasulphide	4.844	86	J
7.	Unknown	5.059	17	J
8.80-46-6	Phenol, 4-(1,1-dimethylpropyl)	5.674	10	J
9.	Unknown	6.031	17	J
10.	Unknown	6.135	38	J
11.	Unknown	6.166	24	J
12.	Unknown	6.320	11	J
13.	Unknown	6.670	12	J
14.	Unknown	6.818	10	J
15.	Unknown	6.842	10	J
16.	Unknown	7.002	20	J
17.	Unknown	7.519	15	J
18.	Unknown	7.648	30	J
19.10544-50-0	Cyclic octaatomic sulfur	8.183	2100	J
20.80-05-7	Phenol, 4,4'-(1-methylethyl)	8.570	280	J
21.	Unknown	8.681	43	J
22.	Unknown	9.043	45	J
23.	Unknown	9.210	44	J
24.	Unknown	9.345	83	J
25.	Unknown	10.070	29	J
26.				
27.				
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30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100856



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4581423

05-MET-092 Filtered Grab Water Sample  
Former Metro Container Investigation

Collected: 08/09/2005 16:30

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:44

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	9.1 J	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	13.9 J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:15	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/17/2005 00:59	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 21:15	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/15/2005 21:15	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/15/2005 21:15	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 21:15	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/17/2005 00:59	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/15/2005 21:15	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/15/2005 21:15	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/15/2005 21:15	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/15/2005 21:15	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/15/2005 21:15	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/17/2005 10:08	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100857





# ***Analysis Report***

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Page 2 of 2  
REVISED

**Lancaster Laboratories Sample No. WW 4581423**

**05-MET-092 Filtered Grab Water Sample  
Former Metro Container Investigation**

Collected: 08/09/2005 16:30 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:44  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

\*=This limit was used in the evaluation of the final result

AR100858



# Analysis Report

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Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4581424

05-MET-122 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/08/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15

Reported: 09/28/2005 at 13:44

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-122

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.010	0.031	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/18/2005 12:31	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100859



# Analysis Report

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Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4581425

05-MET-114 Grab Water Sample  
Former Metro Container Investigation

Collected: 08/08/2005 13:00

by [REDACTED]

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:44  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-114

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	40.0	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	60.3	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	146.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.9 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	37.3	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	99.7	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	32.8	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:16	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/16/2005 23:04	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/15/2005 19:04	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/15/2005 19:04	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/15/2005 19:04	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/15/2005 19:04	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 23:04	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/15/2005 19:04	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/15/2005 19:04	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/15/2005 19:04	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/15/2005 19:04	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/15/2005 19:04	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/17/2005 09:42	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100860

**Lancaster Laboratories Sample No. WW 4581425**

**05-MET-114 Grab Water Sample  
Former Metro Container Investigation**

Collected: 08/08/2005 13:00 by ■

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:44  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-114

Lancaster Laboratories Sample No. WW 4581426

EB-080905W Equipment Blank Grab Water Sample

Former Metro Container Investigation

Collected: 08/09/2005 09:00

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:45  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

809EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0097	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.039	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0097	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0097	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0097	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0097	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0039	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0097	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0039	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.068	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.97	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0039	0.019	ug/l	1
01616	Endosulfan I	959-98-8	0.0025 J	0.0019	0.0097	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.097	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.097	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.097	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.097	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100862

Lancaster Laboratories Sample No. WW 4581426

EB-080905W Equipment Blank Grab Water Sample

Former Metro Container Investigation

Collected: 08/09/2005 09:00

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:45  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

809EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.097	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.14	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.097	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.097	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	0.9	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	0.9	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	0.9	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	0.9	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	0.9	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	9.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	0.9	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	0.9	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	0.9	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	9.	28.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.9	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	0.9	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	0.9	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	0.9	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.9	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	0.9	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.9	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	0.9	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	0.9	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.9	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.9	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	0.9	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	0.9	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	0.9	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	0.9	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR100863

Lancaster Laboratories Sample No. WW 4581426

EB-080905W Equipment Blank Grab Water Sample

Former Metro Container Investigation

Collected: 08/09/2005 09:00

Account Number: 11549

Submitted: 08/10/2005 18:15

Montgomery Watson Harza

Reported: 09/28/2005 at 13:45

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

809EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	0.9	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	0.9	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	0.9	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	0.9	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.9	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	0.9	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	0.9	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	0.9	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	0.9	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	0.9	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	0.9	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	0.9	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	0.9	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	0.9	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	0.9	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	0.9	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	0.9	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.9	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	0.9	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	0.9	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result



Lancaster Laboratories Sample No. WW 4581426

EB-080905W Equipment Blank Grab Water Sample

Former Metro Container Investigation

Collected: 08/09/2005 09:00

Account Number: 11549

Submitted: 08/10/2005 18:15

Montgomery Watson Harza

Reported: 09/28/2005 at 13:45

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

809EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

2-Chloroethyl vinyl ether could not be reported for this sample, because the instrument was not calibrated for this compound.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4581426

EB-080905W Equipment Blank Grab Water Sample

Former Metro Container Investigation

Collected: 08/09/2005 09:00

Account Number: 11549

Submitted: 08/10/2005 18:15

Montgomery Watson Harza

Reported: 09/28/2005 at 13:45

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

809EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:19		1
07022	Thallium	SW-846 6010B	1	08/17/2005 01:04		1
07035	Arsenic	SW-846 6010B	1	08/15/2005 21:20		1
07036	Selenium	SW-846 6010B	1	08/15/2005 21:20		1
07044	Antimony	SW-846 6010B	1	08/15/2005 21:20		1
07047	Beryllium	SW-846 6010B	1	08/15/2005 21:20		1
07049	Cadmium	SW-846 6010B	1	08/17/2005 01:04		1
07051	Chromium	SW-846 6010B	1	08/15/2005 21:20		1
07053	Copper	SW-846 6010B	1	08/15/2005 21:20		1
07055	Lead	SW-846 6010B	1	08/15/2005 21:20		1
07061	Nickel	SW-846 6010B	1	08/15/2005 21:20		1
07066	Silver	SW-846 6010B	1	08/15/2005 21:20		1
07072	Zinc	SW-846 6010B	1	08/17/2005 10:12		1
02393	Phenols	SW846 9066	1	08/18/2005 10:55		1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:24		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 06:07		1
07879	EDB	SW-846 8011	1	08/18/2005 13:01		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/13/2005 02:25		1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 02:45		1
00813	BNA Water Extraction	SW-846 3510C	1	08/11/2005 16:30		1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/11/2005 22:00		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 02:45		n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30		1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30		1
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10		1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/17/2005 14:20		1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30		1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581426  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug15b.b/lgl5s35.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/16/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581426  
Sample wt/vol: 1053 (g/mL) mL Lab File ID: oh0440.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/11/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/13/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 1 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.10544-50-0	Cyclic octaatomic sulfur	8.312	4	J
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR100868

Lancaster Laboratories Sample No. WW 4581427

TB-080905 Trip Blank Water Sample

Former Metro Container Investigation

Collected: 08/09/2005

Account Number: 11549

Submitted: 08/10/2005 18:15  
Reported: 09/28/2005 at 13:45  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

809TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethane	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethane	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*This limit was used in the evaluation of the final result

AR100869

Lancaster Laboratories Sample No. WW 4581427

TB-080905 Trip Blank Water Sample

Former Metro Container Investigation

Collected: 08/09/2005

Account Number: 11549

Submitted: 08/10/2005 18:15

Montgomery Watson Harza

Reported: 09/28/2005 at 13:45

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

809TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/18/2005 13:31	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/18/2005 09:55	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/18/2005 09:55	[REDACTED]	n.a.
07786	EDB Extraction	SW-846 8011	1	08/12/2005 12:10	[REDACTED]	1

\*This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4581427  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09137.i/05aug17a.b/wg17s15.d  
Level: (low/med) LOW Date Received: 08/10/05  
% Moisture: not dec. Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR100871



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 052230008A									
Sample number(s): 4581393,4581395,4581397,4581399,4581402,4581404,4581406,4581408,4581410,4581412,4581414,4581416,4581418,4581420,4581422,4581426									
Alpha BHC	N.D.	0.0020	0.010	ug/l	97	97	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	100	100	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	98	98	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	93	92	41-155	1	20
Heptachlor	N.D.	0.0020	0.010	ug/l	89	87	45-130	2	20
Aldrin	N.D.	0.0050	0.020	ug/l	74	72	47-122	3	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	96	96	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	90	90	44-154	0	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	95	95	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	95	95	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	95	95	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	95	95	62-135	0	20
Chlordane	N.D.	0.070	0.50	ug/l	95	95	75-125	0	100
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	90	90	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	97	97	66-131	0	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	90	90	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	86	86	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	94	92	49-155	2	20
Batch number: 052230012A									
Sample number(s): 4581393,4581395,4581397,4581399,4581401-4581402,4581404,4581406,4581408,4581410,4581412,4581414,4581418,4581420,4581422,4581424,4581426-4581427									
Ethylene dibromide	N.D.	0.010	0.030	ug/l	100	96	60-140	4	20
Batch number: 05223WAC026									
Sample number(s): 4581393,4581395,4581397,4581399,4581402,4581404,4581408,4581410,4581412,4581414,4581416,4581418,4581422,4581426									
1,4-Dioxane	N.D.	1.	5.	ug/l	59	60	43-73	2	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	87	90	65-107	3	30
2-Chlorophenol	N.D.	1.	5.	ug/l	86	84	63-112	3	30
Phenol	N.D.	1.	5.	ug/l	41	38	29-57	7	30
2-Nitrophenol	N.D.	1.	5.	ug/l	102	103	83-119	1	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	80	82	60-107	3	30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	87	89	66-110	2	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	82	81	48-114	1	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	94	94	69-111	0	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	72	73	44-130	1	30
4-Nitrophenol	N.D.	10.	30.	ug/l	35	34	16-75	4	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	90	90	56-130	1	30
Pentachlorophenol	N.D.	3.	15.	ug/l	95	84	48-108	12	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	57	49	39-84	14	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	82	81	57-110	1	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	75	74	52-102	1	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	79	76	54-103	5	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	76	74	58-99	3	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	105	102	68-133	4	30
Hexachloroethane	N.D.	1.	5.	ug/l	70	68	33-106	2	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	78	74	56-109	5	30
Nitrobenzene	N.D.	1.	5.	ug/l	86	88	61-111	2	30
Isophorone	N.D.	1.	5.	ug/l	81	83	63-105	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	97	100	69-119	2	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	82	82	62-101	0	30
Naphthalene	N.D.	1.	5.	ug/l	87	87	70-102	0	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	66	68	33-118	3	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	82	81	14-169	1	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	70	70	56-100	0	30
Acenaphthylene	N.D.	1.	5.	ug/l	105	104	65-120	1	30
Dimethylphthalate	N.D.	2.	5.	ug/l	75	74	46-109	1	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	88	89	70-108	1	30
Acenaphthene	N.D.	1.	5.	ug/l	90	89	68-111	1	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	77	77	75-122	0	30
Fluorene	N.D.	1.	5.	ug/l	82	84	61-116	2	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	85	85	65-110	0	30
Diethylphthalate	N.D.	2.	5.	ug/l	86	86	61-110	0	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	100	100	62-106	0	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	103	100	63-104	3	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	100	100	67-110	1	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	91	89	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	94	94	68-111	0	30
Anthracene	N.D.	1.	5.	ug/l	94	92	68-108	2	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	99	97	63-113	2	30
Fluoranthene	N.D.	1.	5.	ug/l	90	88	66-108	2	30
Pyrene	N.D.	1.	5.	ug/l	98	101	68-114	2	30
Benzidine	N.D.	20.	60.	ug/l	94	88	20-134	6	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	85	89	63-120	4	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	91	92	72-112	0	30
Chrysene	N.D.	1.	5.	ug/l	93	95	70-111	2	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	88	85	39-116	4	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	84	87	62-126	4	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	93	95	58-118	2	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	97	94	67-117	3	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	89	92	67-120	3	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	100	99	68-121	1	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	101	98	67-122	4	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	109	105	71-129	4	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	105	104	67-121	0	30

Batch number: 05224117101A

Sample number(s): 4581393,4581395,4581397

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Total Cyanide	N.D.	0.0050	0.010	mg/l	103		90-110		
Batch number: 05224117101B	Sample number(s): 4581399,4581402,4581404,4581406,4581408,4581410,4581412,4581414,4581416								
Total Cyanide	N.D.	0.0050	0.010	mg/l	103		90-110		
Batch number: 052241848001	Sample number(s): 4581393-4581400,4581402-4581411								
Thallium	N.D.	0.0100	0.0200	mg/l	101		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	106		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	102		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	105		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	102		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	106		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	102		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	102		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	102		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	103		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	110		96-114		
Zinc	0.0070 J	0.0053	0.0200	mg/l	102		90-112		
Batch number: 052245713001	Sample number(s): 4581393-4581400,4581402-4581411								
Mercury	N.D.	0.00006	0.00020	mg/l	101		80-120		
	2								
Batch number: 052245713002	Sample number(s): 4581412-4581423,4581425-4581426								
Mercury	N.D.	0.00006	0.00020	mg/l	100		80-120		
	2								
Batch number: 052261848003	Sample number(s): 4581412-4581423,4581425-4581426								
Thallium	N.D.	0.0100	0.0200	mg/l	102		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	104		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	100		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	104		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	103		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	106		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	100		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	105		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	103		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	103		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	108		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	104		90-112		
Batch number: 05227117101A	Sample number(s): 4581418,4581420,4581422,4581426								
Total Cyanide	N.D.	0.0050	0.010	mg/l	106		90-110		
Batch number: 05227WAC026	Sample number(s): 4581406,4581420								
1,4-Dioxane	N.D.	1.	5.	ug/l	57	58	43-73	2	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	89	88	65-107	1	30
2-Chlorophenol	N.D.	1.	5.	ug/l	84	83	63-112	1	30
Phenol	N.D.	1.	5.	ug/l	35	35	29-57	0	30
2-Nitrophenol	N.D.	1.	5.	ug/l	100	103	83-119	3	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	82	82	60-107	0	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	89	89	66-110	0	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	83	82	48-114	1	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	95	95	69-111	1	30

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	75	77	44-130	3	30
4-Nitrophenol	N.D.	10.	30.	ug/l	35	36	16-75	1	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	91	92	56-130	1	30
Pentachlorophenol	N.D.	3.	15.	ug/l	82	85	48-108	3	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	50	51	39-84	3	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	85	84	57-110	1	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	67	67	52-102	0	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	70	70	54-103	1	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	71	70	58-99	1	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	112	110	68-133	2	30
Hexachloroethane	N.D.	1.	5.	ug/l	62	61	33-106	1	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	79	78	56-109	2	30
Nitrobenzene	N.D.	1.	5.	ug/l	86	87	61-111	1	30
Isophorone	N.D.	1.	5.	ug/l	82	80	63-105	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	101	99	69-119	2	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	81	80	62-101	1	30
Naphthalene	N.D.	1.	5.	ug/l	87	85	70-102	2	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	62	65	33-118	4	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	67	64	14-169	5	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	68	69	56-100	1	30
Acenaphthylene	N.D.	1.	5.	ug/l	104	105	65-120	0	30
Dimethylphthalate	N.D.	2.	5.	ug/l	80	78	46-109	3	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	88	90	70-108	2	30
Acenaphthene	N.D.	1.	5.	ug/l	91	90	68-111	1	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	79	78	75-122	1	30
Fluorene	N.D.	1.	5.	ug/l	82	85	61-116	3	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	86	86	65-110	1	30
Diethylphthalate	N.D.	2.	5.	ug/l	90	90	61-110	0	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	97	99	62-106	1	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	101	102	63-104	0	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	98	104	67-110	5	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	90	91	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	91	93	68-111	2	30
Anthracene	N.D.	1.	5.	ug/l	91	96	68-108	5	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	102	102	63-113	0	30
Fluoranthene	N.D.	1.	5.	ug/l	87	87	66-108	1	30
Pyrene	N.D.	1.	5.	ug/l	101	101	68-114	0	30
Benzidine	N.D.	20.	60.	ug/l	89	89	20-134	1	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	93	93	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	94	95	72-112	2	30
Chrysene	N.D.	1.	5.	ug/l	92	94	70-111	2	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	77	79	39-116	3	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	98	99	62-126	0	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	103	103	58-118	0	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	85	82	67-117	4	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	97	98	67-120	1	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	99	101	68-121	2	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	97	98	67-122	0	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	108	106	71-129	1	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	103	103	67-121	1	30

Batch number: 05228120101A

Sample number(s):

4581393,4581395,4581397,4581399,4581402,4581404,4581406,4581408

Phenols	N.D.	0.0090	0.030	mg/l	89	93	83-108	4	20
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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 05228120102A	Sample number(s): 4581410,4581412,4581414,4581416,4581418,4581420								
Phenols	N.D.	0.0090	0.030	mg/l	103	95	83-108	8	20
Batch number: 05229120101A	Sample number(s): 4581422,4581426								
Phenols	N.D.	0.0090	0.030	mg/l	93	93	83-108	0	20
Batch number: L052272AA	Sample number(s): 4581395,4581397,4581399,4581401,4581404,4581406,4581408,4581410,4581412,4581414,4581416,4581418,4581420,4581422,4581426								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	97	97	77-127	0	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	122	126	57-141	3	30
Chloromethane	N.D.	1.	5.	ug/l	101	96	59-177	5	30
Vinyl Chloride	N.D.	1.	5.	ug/l	101	99	71-134	1	30
Bromomethane	N.D.	1.	5.	ug/l	98	85	62-131	15	30
Chloroethane	N.D.	1.	5.	ug/l	99	95	67-127	5	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	121	114	70-148	5	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	101	100	79-130	2	30
Methylene Chloride	N.D.	2.	5.	ug/l	112	112	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	106	103	81-124	3	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	97	96	83-127	1	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	107	106	84-117	1	30
Chloroform	N.D.	0.8	5.	ug/l	109	107	86-124	2	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	107	105	83-127	2	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	117	114	77-130	2	30
Benzene	N.D.	0.5	5.	ug/l	103	101	85-117	2	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	102	102	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	105	103	87-117	2	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	100	98	80-117	1	30
Bromodichloromethane	N.D.	1.	5.	ug/l	102	101	83-121	1	30
Toluene	N.D.	0.7	5.	ug/l	108	106	85-115	1	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	110	111	86-113	1	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	107	106	74-125	1	30
Dibromochloromethane	N.D.	1.	5.	ug/l	107	106	78-119	1	30
Chlorobenzene	N.D.	0.8	5.	ug/l	107	106	85-115	1	30
Ethylbenzene	N.D.	0.8	5.	ug/l	106	105	82-119	1	30
Bromoform	N.D.	1.	5.	ug/l	109	109	69-118	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	97	101	72-119	4	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	97	98	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	95	95	78-114	0	30
Xylene (Total)	N.D.	0.8	5.	ug/l	110	109	83-113	1	30
Acrylonitrile	N.D.	4.	20.	ug/l	113	118	55-137	4	30
Acrolein	N.D.	40.	100.	ug/l	96	101	28-146	5	30
Batch number: L052272AB	Sample number(s): 4581402								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	97	97	77-127	0	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	122	126	57-141	3	30
Chloromethane	N.D.	1.	5.	ug/l	101	96	59-177	5	30
Vinyl Chloride	N.D.	1.	5.	ug/l	101	99	71-134	1	30
Bromomethane	N.D.	1.	5.	ug/l	98	85	62-131	15	30
Chloroethane	N.D.	1.	5.	ug/l	99	95	67-127	5	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	121	114	70-148	5	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	101	100	79-130	2	30
Methylene Chloride	N.D.	2.	5.	ug/l	112	112	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	106	103	81-124	3	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	97	96	83-127	1	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	107	106	84-117	1	30
Chloroform	N.D.	0.8	5.	ug/l	109	107	86-124	2	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	107	105	83-127	2	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	117	114	77-130	2	30
Benzene	N.D.	0.5	5.	ug/l	103	101	85-117	2	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	102	102	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	105	103	87-117	2	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	100	98	80-117	1	30
Bromodichloromethane	N.D.	1.	5.	ug/l	102	101	83-121	1	30
Toluene	N.D.	0.7	5.	ug/l	108	106	85-115	1	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	110	111	86-113	1	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	107	106	74-125	1	30
Dibromochloromethane	N.D.	1.	5.	ug/l	107	106	78-119	1	30
Chlorobenzene	N.D.	0.8	5.	ug/l	107	106	85-115	1	30
Ethylbenzene	N.D.	0.8	5.	ug/l	106	105	82-119	1	30
Bromoform	N.D.	1.	5.	ug/l	109	109	69-118	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	97	101	72-119	4	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	97	98	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	95	95	78-114	0	30
Xylene (Total)	N.D.	0.8	5.	ug/l	110	109	83-113	1	30
Acrylonitrile	N.D.	4.	20.	ug/l	113	118	55-137	4	30
Acrolein	N.D.	40.	100.	ug/l	96	101	28-146	5	30

Batch number: W052291AA  
Methyl Tertiary Butyl Ether

Sample number(s): 4581393,4581427

t-Butyl alcohol	N.D.	0.5	5.	ug/l	91		77-127
Chloromethane	N.D.	10.	80.	ug/l	105		57-141
Vinyl Chloride	N.D.	1.	5.	ug/l	86		59-177
Bromomethane	N.D.	1.	5.	ug/l	88		71-134
Chloroethane	N.D.	1.	5.	ug/l	76		62-131
Trichlorofluoromethane	N.D.	1.	5.	ug/l	82		67-127
1,1-Dichloroethene	N.D.	2.	5.	ug/l	95		70-148
Methylene Chloride	N.D.	0.8	5.	ug/l	91		79-130
trans-1,2-Dichloroethene	N.D.	2.	5.	ug/l	91		80-128
1,1-Dichloroethane	N.D.	0.8	5.	ug/l	90		81-124
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/l	91		83-127
Chloroform	N.D.	0.8	5.	ug/l	92		84-117
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	91		86-124
Carbon Tetrachloride	N.D.	0.8	5.	ug/l	89		83-127
Benzene	N.D.	1.	5.	ug/l	89		77-130
1,2-Dichloroethane	N.D.	0.5	5.	ug/l	92		85-117
Trichloroethene	N.D.	1.	5.	ug/l	91		77-132
1,2-Dichloropropane	N.D.	1.	5.	ug/l	90		87-117
Bromodichloromethane	N.D.	1.	5.	ug/l	95		80-117
Toluene	N.D.	1.	5.	ug/l	91		83-121
1,1,2-Trichloroethane	N.D.	0.7	5.	ug/l	95		85-115
Tetrachloroethene	N.D.	0.8	5.	ug/l	99		86-113
Dibromochloromethane	N.D.	0.8	5.	ug/l	91		74-125
Chlorobenzene	N.D.	1.	5.	ug/l	100		78-119
Ethylbenzene	N.D.	0.8	5.	ug/l	97		85-115
Bromoform	N.D.	0.8	5.	ug/l	97		82-119
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	95		69-118
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	100		72-119
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	94		79-114
Xylene (Total)	N.D.	1.	5.	ug/l	95		78-114
	N.D.	0.8	5.	ug/l	97		83-113

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acrylonitrile	N.D.	4.	20.	ug/l	98		55-137		
Acrolein	N.D.	40.	100.	ug/l	86		28-146		
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	97		53-133		

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052230012A	Sample number(s): 4581393,4581395,4581397,4581399,4581401-4581402,4581404,4581406,4581408,4581410,4581412,4581414,4581418,4581420,4581422,4581424,4581426-4581427							
Ethylene dibromide	100		65-135		N.D.	N.D.	0 (1)	30
Batch number: 05224117101A	Sample number(s): 4581393,4581395,4581397							
Total Cyanide	136*		82-114		0.66	0.68	4	20
Batch number: 05224117101B	Sample number(s): 4581399,4581402,4581404,4581406,4581408,4581410,4581412,4581414,4581416							
Total Cyanide	49*		82-114		N.D.	N.D.	0 (1)	20
Batch number: 052241848001	Sample number(s): 4581393-4581400,4581402-4581411							
Thallium	104	103	89-112	1	20	N.D.	N.D.	56* (1) 20
Arsenic	104	105	86-119	0	20	N.D.	N.D.	962* (1) 20
Selenium	100	100	80-120	0	20	N.D.	N.D.	393* (1) 20
Antimony	103	103	80-120	0	20	0.0096 J	0.0072 J	29* (1) 20
Beryllium	100	100	91-117	0	20	N.D.	N.D.	40* (1) 20
Cadmium	104	104	87-117	0	20	N.D.	N.D.	24* (1) 20
Chromium	103	103	86-118	0	20	N.D.	N.D.	22* (1) 20
Copper	104	105	89-119	0	20	N.D.	N.D.	21* (1) 20
Lead	101	101	87-118	0	20	N.D.	N.D.	25* (1) 20
Nickel	101	102	91-111	1	20	N.D.	N.D.	85* (1) 20
Silver	111	111	80-120	0	20	N.D.	N.D.	77* (1) 20
Zinc	101	102	80-120	1	20	N.D.	N.D.	77* (1) 20
Batch number: 052245713001	Sample number(s): 4581393-4581400,4581402-4581411							
Mercury	104	105	80-120	1	20	N.D.	N.D.	5 (1) 20
Batch number: 052245713002	Sample number(s): 4581412-4581423,4581425-4581426							
Mercury	102	101	80-120	1	20	N.D.	N.D.	56* (1) 20
Batch number: 052261848003	Sample number(s): 4581412-4581423,4581425-4581426							
Thallium	103	102	89-112	0	20	N.D.	N.D.	107* (1) 20
Arsenic	109	109	86-119	0	20	0.0400	0.0401	0 (1) 20
Selenium	89	87	80-120	2	20	N.D.	N.D.	26* (1) 20
Antimony	106	106	80-120	0	20	0.0603	0.0697	15 (1) 20
Beryllium	105	105	91-117	0	20	N.D.	N.D.	114* (1) 20
Cadmium	104	105	87-117	1	20	N.D.	N.D.	12 (1) 20
Chromium	107	106	86-118	0	20	0.146	0.146	0 20
Copper	107	106	89-119	1	20	0.0029 J	0.0026 J	8 (1) 20
Lead	109	110	87-118	0	20	0.0373	0.0364	2 (1) 20
Nickel	107	107	91-111	0	20	0.0997	0.0988	1 20

\*- Outside of specification

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- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Silver	110	110	80-120	0	20	N.D.	N.D.	39* (1)
Zinc	102	102	80-120	1	20	0.0328	0.0243	30* (1)
Batch number: 05227117101A	Sample number(s): 4581418,4581420,4581422,4581426							
Total Cyanide	16*		82-114			N.D.	N.D.	125* (1)
Batch number: L052272AA	Sample number(s):							
	4581395,4581397,4581399,4581401,4581404,4581406,4581408,4581410,4581412,4581414,4581416,4581418,4581420,4581422,4581426							
Methyl Tertiary Butyl Ether	102		69-134					
t-Butyl alcohol	114		51-147					
Chloromethane	83		72-208					
Vinyl Chloride	108		81-150					
Bromomethane	91		59-143					
Chloroethane	109		63-142					
Trichlorofluoromethane	120		77-177					
1,1-Dichloroethene	106		87-145					
Methylene Chloride	112		79-133					
trans-1,2-Dichloroethene	111		82-133					
1,1-Dichloroethane	104		85-135					
cis-1,2-Dichloroethene	115		83-126					
Chloroform	115		82-131					
1,1,1-Trichloroethane	112		81-142					
Carbon Tetrachloride	116		79-155					
Benzene	108		83-128					
1,2-Dichloroethane	106		73-136					
Trichloroethene	106		83-136					
1,2-Dichloropropane	101		83-129					
Bromodichloromethane	103		80-129					
Toluene	105		83-127					
1,1,2-Trichloroethane	110		77-125					
Tetrachloroethene	92		78-133					
Dibromochloromethane	105		73-119					
Chlorobenzene	104		83-120					
Ethylbenzene	100		82-129					
Bromoform	101		64-119					
1,1,2,2-Tetrachloroethane	95		69-121					
trans-1,3-Dichloropropene	83		75-117					
cis-1,3-Dichloropropene	81		76-117					
Xylene (Total)	102		82-130					
Acrylonitrile	104		54-132					
Acrolein	52		21-153					
Batch number: L052272AB	Sample number(s): 4581402							
Methyl Tertiary Butyl Ether	102		69-134					
t-Butyl alcohol	114		51-147					
Chloromethane	83		72-208					
Vinyl Chloride	108		81-150					
Bromomethane	91		59-143					
Chloroethane	109		63-142					
Trichlorofluoromethane	120		77-177					
1,1-Dichloroethene	106		87-145					
Methylene Chloride	112		79-133					
trans-1,2-Dichloroethene	111		82-133					

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
1,1-Dichloroethane	104		85-135					
cis-1,2-Dichloroethene	115		83-126					
Chloroform	115		82-131					
1,1,1-Trichloroethane	112		81-142					
Carbon Tetrachloride	116		79-155					
Benzene	108		83-128					
1,2-Dichloroethane	106		73-136					
Trichloroethene	106		83-136					
1,2-Dichloropropane	101		83-129					
Bromodichloromethane	103		80-129					
Toluene	105		83-127					
1,1,2-Trichloroethane	110		77-125					
Tetrachloroethene	92		78-133					
Dibromochloromethane	105		73-119					
Chlorobenzene	104		83-120					
Ethylbenzene	100		82-129					
Bromoform	101		64-119					
1,1,2,2-Tetrachloroethane	95		69-121					
trans-1,3-Dichloropropene	83		75-117					
cis-1,3-Dichloropropene	81		76-117					
Xylene (Total)	102		82-130					
Acrylonitrile	104		54-132					
Acrolein	52		21-153					
Batch number: W052291AA Sample number(s): 4581393,4581427								
Methyl Tertiary Butyl Ether	93	94	69-134	0	30			
t-Butyl alcohol	111	110	51-147	1	30			
Chloromethane	98	94	72-208	5	30			
Vinyl Chloride	99	101	81-150	1	30			
Bromomethane	81	81	59-143	0	30			
Chloroethane	99	90	63-142	10	30			
Trichlorofluoromethane	109	111	77-177	1	30			
1,1-Dichloroethene	100	103	87-145	2	30			
Methylene Chloride	92	93	79-133	0	30			
trans-1,2-Dichloroethene	97	98	82-133	1	30			
1,1-Dichloroethane	98	97	85-135	2	30			
cis-1,2-Dichloroethene	96	99	83-126	4	30			
Chloroform	97	98	82-131	1	30			
1,1,1-Trichloroethane	99	100	81-142	1	30			
Carbon Tetrachloride	102	101	79-155	1	30			
Benzene	99	99	83-128	0	30			
1,2-Dichloroethane	95	95	73-136	0	30			
Trichloroethene	98	99	83-136	1	30			
1,2-Dichloropropane	99	99	83-129	1	30			
Bromodichloromethane	93	94	80-129	1	30			
Toluene	101	100	83-127	1	30			
1,1,2-Trichloroethane	100	100	77-125	1	30			
Tetrachloroethene	99	99	78-133	1	30			
Dibromochloromethane	99	98	73-119	1	30			
Chlorobenzene	100	99	83-120	0	30			
Ethylbenzene	102	103	82-129	1	30			
Bromoform	91	91	64-119	0	30			
1,1,2,2-Tetrachloroethane	101	99	69-121	2	30			
trans-1,3-Dichloropropene	94	94	75-117	0	30			

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
cis-1,3-Dichloropropene	96	96	76-117	0	30			
Xylene (Total)	102	102	82-130	0	30			
Acrylonitrile	98	98	54-132	1	30			
Acrolein	84	86	21-153	1	30			
2-Chloroethyl Vinyl Ether	19	0*	1-172	200*	30			

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052230008A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4581393	88	112
4581395	71	221*
4581397	91	86
4581399	112	111
4581402	101	130
4581404	58	0*
4581406	70	81
4581408	33*	75
4581410	99	97
4581412	55	66
4581414	82	71
4581416	96	85
4581418	71	130
4581420	99	108
4581422	115	128
4581426	90	99
Blank	87	84
LCS	86	80
LCSD	87	73
Limits:	45-125	47-155

Analysis Name: EDB in Wastewater  
Batch number: 052230012A  
1,1,2,2-  
Tetrachloroethane

4581393	52
4581395	82
4581397	66
4581399	0*
4581401	68
4581402	99
4581404	0*
4581406	0*
4581408	52
4581410	0*
4581412	5*
4581414	71

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Surrogate Quality Control

4581418 92  
4581420 0\*  
4581422 44\*  
4581424 53  
4581426 112  
4581427 109  
Blank 121  
DUP 74  
LCS 116  
LCSD 109  
MS 116

Limits: 52-120

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05223WAC026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4581393	56	33	77	87
4581395	28	16	41	89
4581397	48	27	81	78
4581399	58	34	96	92
4581402	61	39	82	86
4581404	53	34	108	78
4581408	36	21	52	108
4581410	45	29	74	78
4581412	63	49	94	106
4581414	35	21	67	78
4581416	68	53	99	95
4581418	65	52	107	88
4581422	54	38	80	79
4581426	57	33	84	78
Blank	60	32	85	91
LCS	66	37	83	87
LCSD	63	35	83	92

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
4581393	95	96
4581395	83	68
4581397	90	91
4581399	105	109
4581402	82	102
4581404	78	88
4581408	91	96
4581410	87	120
4581412	93	111
4581414	81	107
4581416	95	134
4581418	82	135
4581422	84	104
4581426	89	103
Blank	96	112
LCS	99	104
LCSD	100	118

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Surrogate Quality Control

Limits: 64-112 52-151

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05227WAC026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4581406	51	32	84	89
4581420	61	41	95	92
Blank	63	35	85	86
LCS	63	36	80	88
LCSD	61	36	82	90

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
4581406	99	110
4581420	98	113
Blank	92	103
LCS	98	108
LCSD	98	108

Limits: 64-112 52-151

Analysis Name: PPL + Xylene (total) by 8260  
Batch number: L052272AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4581395	103	102	89	95
4581397	103	101	89	92
4581399	105	101	92	97
4581401	103	104	90	93
4581404	104	101	95	95
4581406	103	101	96	98
4581408	103	102	93	95
4581410	104	102	95	91
4581412	101	104	92	97
4581414	103	102	90	92
4581416	102	103	91	97
4581418	102	103	85	99
4581420	105	102	93	97
4581422	107	101	95	94
4581426	106	105	90	90
Blank	104	102	90	90
LCS	99	103	96	103
LCSD	98	100	96	103
MS	100	98	94	102

Limits: 81-120 82-112 85-112 83-113

Analysis Name: PPL + Xylene (total) by 8260  
Batch number: L052272AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4581402	100	102	89	97
Blank	103	103	89	90
LCS	99	103	96	103
LCSD	98	100	96	103

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 954924

### Surrogate Quality Control

MS	100	98	94	102
Limits:	81-120	82-112	85-112	83-113
Analysis Name: PPL + Xylene (total) by 8260				
Batch number: W052291AA				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4581393	96	96	102	103
4581427	96	97	102	102
Blank	95	98	103	102
LCS	96	98	103	104
MS	96	100	102	102
MSD	97	97	102	103
Limits:	81-120	82-112	85-112	83-113

\*- Outside of specification

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- (2) The background result was more than four times the spike added.



# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 954924 Sample Nos.: 4581393-27

Acc't No.: 11549 SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u> Acc't #: <u>11549</u>		Matrix		Analyses Requested										Remarks:						
Project Manager: _____ Quote #: _____																				
Project Name/#: <u>Former Metro Container Investigation</u>																				
Sampler: _____																				
P.O. #: _____																				
Name of state where samples were collected: <u>PA</u>																				
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA	VOA TICs - 15	EDB (8011)	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals (total)	PPL Metals (filtered)	PPL Pest/PCBs	Phenol	Cyanide		
05-MET-126	8/10/05	1500	X			/		11	X										N (0.5-15.5)	
05-MET-125		1510	X			/		11	X										N (0-16)	
05-MET-095		1300	X			/		11	X										N (3-13)	
05-MET-096		1400	X			/		11	X										N (5-15)	
05-MET-116		830	X			/		5	X	X									N (0-16)	
05-MET-111		800	X			/		11	X										N (5-15)	
05-MET-107		930	X			/		11	X										N (0-10)	
05-MET-107A		945	X			/		11	X										FD (0-10)	
05-MET-121	✓	1450	X			/		11	X										N (0-15)	
05-MET-101		1100	X			/		11	X										N (4-14)	
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush								Relinquished by: _____		Date: <u>8/10/05</u>	Time: <u>16:15</u>	Received by: _____		Date: <u>8/10/05</u>	Time: <u>16:15</u>					
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)								Relinquished by: _____		Date: <u>8/10/05</u>	Time: <u>18:15</u>	Received by: _____		Date: _____	Time: _____					
Date results are needed: _____								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Rush results requested by (please circle): Fax Email								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Fax #: _____ Email address: _____								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Data Package Options (please circle if required)								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
QC Summary								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Type I (Tier I)								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Type II (Tier II)								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Type III (NJ Reduced Del.)								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Type IV (CLP)								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Type VI (Raw Data)								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
GLP								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Other								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: <u>8/10/05</u>	Time: <u>18:15</u>					
SDG Complete? Yes No								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Site specific QC required? Yes No								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
(If yes, indicate QC sample and submit triplicate volume.)								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					
Internal chain of custody required? Yes No								Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____					

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR100885



For Lancaster Laboratories use only

 Group No.: 954924

 Sample Nos.: 4581393-27

 Acc't No.: 11549

SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix		Analyses Requested												Remarks:	
Project Manager: _____		Quote #: _____																	
Project Name/#: <u>Former Metro Container Investigation</u>																			
Sampler: _____																			
P.O. #: _____																			
Name of state where samples were collected: <u>PA</u>																			
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA	VOA TICs - 15	EDB (8011)	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals (total)	PPL Metals (filtered)	PPL Pest/PCBs	Phenol	Cyanide	
EB080905W	8/9/05	0900						12	X	X	X	X	X	X		X	X	X	
TB080905								2	X	X									
05-MET-115		1045						12	X	X	X	X	X	X	X	X	X		
05-MET-123		1310						12											
05-MET-105		1430						12											
05-MET-110		1500						12											
05-MET-99		1600						12											
05-MET-92		1630						12											
05-MET-122	8/8/05	1200																	
05-MET-114	8/8/05	1300																	
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush						Date: <u>8/10/05</u> Time: <u>16:15</u>						Received by: _____ Date: <u>8/10/05</u> Time: <u>16:15</u>							
(Rush TAT is subject to Lancaster Laboratories approval and purchase.)																			
Date results are needed: _____						Date: <u>8/10/05</u> Time: <u>18:15</u>						Received by: _____ Date: _____ Time: _____							
Rush results requested by (please circle): Fax Email						Relinquished by: _____						Received by: _____ Date: _____ Time: _____							
Fax #: _____ Email address: _____																			
Data Package Options (please circle if required)						Relinquished by: _____						Received by: _____ Date: _____ Time: _____							
QC Summary																			
Type I (Tier I)																			
Type II (Tier II)																			
Type III (NJ Reduced Del.)																			
Type IV (CLP)																			
Type VI (Raw Data)																			
GLP																			
Other																			
SDG Complete? Yes No						Relinquished by: _____						Received by: _____ Date: <u>8/10/05</u> Time: <u>18:15</u>							
Site specific QC required? Yes No																			
(If yes, indicate QC sample and submit triplicate volume.)																			
Internal chain of custody required? Yes No																			

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained.

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 955099. Samples arrived at the laboratory on Thursday, August 11, 2005. The PO# for this group is 2111133.5640.010101.

**Client Description****Lancaster Labs Number**

05-MET-103 Grab Soil Sample	4582268
05-MET-104 Grab Soil Sample	4582269
05-MET-031 Grab Soil Sample	4582270
05-MET-032 Grab Soil Sample	4582271
05-MET-033 Grab Soil Sample	4582272
05-MET-127 Grab Soil Sample	4582273
05-MET-104S Grab Soil Sample	4582274
05-MET-103V Grab Soil Sample	4582275
05-MET-119 Grab Soil Sample	4582276
05-MET-124 Grab Soil Sample	4582277
05-MET-093 Grab Soil Sample	4582278
05-MET-094 Grab Soil Sample	4582279
05-MET-087 Grab Soil Sample	4582280
05-MET-088 Grab Soil Sample	4582281
05-TISD-11 Grab Soil Sample	4582282
05-TISD-12 Grab Soil Sample	4582283
05-TISD-01 Grab Soil Sample	4582284
05-TISD-02 Grab Soil Sample	4582285
05-TISD-03 Grab Soil Sample	4582286
05-TISD-04 Grab Soil Sample	4582287
05-TISD-05 Grab Soil Sample	4582288
05-TISD-06 Grab Soil Sample	4582289
05-TISD-07 Grab Soil Sample	4582290
05-TISD-08 Grab Soil Sample	4582291
05-TISD-09 Grab Soil Sample	4582292

05-TISD-10 Grab Soil Sample	4582293
EB-081105W Equipment Blank Grab Water Sample	4582294
EB-081105S Equipment Blank Grab Water Sample	4582295
TB-081105S Trip Blank MeOH Sample	4582296

1 COPY TO      Montgomery Watson Harza

Attn: [REDACTED]

Questions? Contact your Client Services Representative  
[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Group Leader

Lancaster Laboratories Sample No. SW 4582268

05-MET-103 Grab Soil Sample

N(9.5'-10')

Former Metro Container Investigation

Collected: 08/11/2005 07:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:49

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-103

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0207 J	0.0031	0.117	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.15	2.39	mg/kg	1
06935	Arsenic	7440-38-2	10.7	0.802	2.39	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.15	2.39	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.982	2.39	mg/kg	1
06947	Beryllium	7440-41-7	0.951	0.0515	0.599	mg/kg	1
06949	Cadmium	7440-43-9	0.156 J	0.103	0.599	mg/kg	1
06951	Chromium	7440-47-3	54.1	0.634	1.80	mg/kg	1
06953	Copper	7440-50-8	52.2	0.359	1.20	mg/kg	1
06955	Lead	7439-92-1	136.	0.934	2.39	mg/kg	1
06961	Nickel	7440-02-0	73.2	0.395	1.20	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.227	0.599	mg/kg	1
06972	Zinc	7440-66-6	169.	0.551	2.39	mg/kg	1
00111	Moisture	n.a.	18.9	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00210	0.0102	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00210	0.0102	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00210	0.0102	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00407	0.0210	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00407	0.0210	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00407	0.0210	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0210	0.102	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00210	0.0102	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00210	0.0102	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00259	0.0102	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00210	0.0102	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00407	0.0210	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00407	0.0210	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0493	0.210	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.136	0.407	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00210	0.0102	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00407	0.0210	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00407	0.0210	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00407	0.0210	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR100890

Lancaster Laboratories Sample No. SW 4582268

05-MET-103 Grab Soil Sample

N(9.5'-10')

Former Metro Container Investigation

Collected: 08/11/2005 07:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:49

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-103

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0912	0.210	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0407	0.210	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0592	0.210	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0370	0.210	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.136	0.407	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0407	0.210	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.136	0.407	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.37	1.8	mg/kg	1
01185	Phenol	108-95-2	0.18	J 0.12	0.62	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.12	0.62	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.12	0.62	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.12	0.62	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.12	0.62	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.25	0.62	mg/kg	1
01191	Acenaphthene	83-32-9	0.13	J 0.12	0.62	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.62	1.8	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.25	0.62	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.62	1.8	mg/kg	1
01195	Pyrene	129-00-0	0.74	0.12	0.62	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.12	0.62	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.12	0.62	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.37	0.62	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.12	0.62	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.12	0.62	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	2.5	7.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.62	1.8	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.25	0.62	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.12	0.62	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.12	0.62	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.12	0.62	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.12	0.62	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.12	0.62	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.12	0.62	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.12	0.62	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100891

Lancaster Laboratories Sample No. SW 4582268

05-MET-103 Grab Soil Sample

N(9.5'-10')

Former Metro Container Investigation

Collected: 08/11/2005 07:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:49

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-103

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.12	0.62	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.12	0.62	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.25	0.62	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.62	1.8	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.12	0.62	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.12	0.62	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.25	0.62	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.12	0.62	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.12	0.62	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.12	0.62	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.25	0.62	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.12	0.62	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.12	0.62	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.12	0.62	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.12	0.62	mg/kg	1
03775	Phenanthrene	85-01-8	0.23 J	0.12	0.62	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.12	0.62	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.25	0.62	mg/kg	1
03778	Fluoranthene	206-44-0	0.18 J	0.12	0.62	mg/kg	1
03779	Benzidine	92-87-5	N.D.	2.5	7.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.25	0.62	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.55 J	0.12	0.62	mg/kg	1
03782	Chrysene	218-01-9	0.70	0.12	0.62	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.37	1.2	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.25	1.2	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.25	0.62	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.29 J	0.12	0.62	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.12	0.62	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.62	0.12	0.62	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.20 J	0.12	0.62	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.24 J	0.12	0.62	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.59 J	0.12	0.62	mg/kg	1

The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.

Matrix QC was performed on this sample for the GCMS semivolatile analysis. Please see the attached QC summary report for compounds showing a matrix bias.

\*=This limit was used in the evaluation of the final result



Lancaster Laboratories Sample No. SW 4582268

05-MET-103 Grab Soil Sample

N(9.5'-10')

Former Metro Container Investigation

Collected: 08/11/2005 07:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:49

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-103

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.93
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.93
02020	t-Butyl alcohol	75-65-0	N.D.	0.023	0.11	mg/kg	0.93
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.93
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.93
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.93
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.93
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.93
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.93
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.93
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.93
05452	1,1-Dichloroethane	75-34-3	0.004 J	0.001	0.006	mg/kg	0.93
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.93
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.93
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.93
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.93
05460	Benzene	71-43-2	0.030	0.0006	0.006	mg/kg	0.93
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.93
05462	Trichloroethene	79-01-6	0.001 J	0.001	0.006	mg/kg	0.93
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.93
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.93
05466	Toluene	108-88-3	0.030	0.001	0.006	mg/kg	0.93
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.93
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.93
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.93
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.93
05474	Ethylbenzene	100-41-4	0.001 J	0.001	0.006	mg/kg	0.93
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.93
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.93
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.93
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.93
06301	Xylene (Total)	1330-20-7	0.011	0.001	0.006	mg/kg	0.93

\*=This limit was used in the evaluation of the final result

AR100893

**Lancaster Laboratories Sample No. SW 4582268**
**05-MET-103 Grab Soil Sample**
**N(9.5'-10')**
**Former Metro Container Investigation**

Collected: 08/11/2005 07:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:49

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-103

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07586	Acrolein	107-02-8	N.D.	0.023	0.11	mg/kg	0.93
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.023	mg/kg	0.93

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

A GC/MS volatile internal standard peak area was outside the QC limits. Because only one sample vial was prepared for the low level analysis, the analysis could not be repeated.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/15/2005 08:23	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06925	Thallium	SW-846 6010B	1	08/16/2005 02:58	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06935	Arsenic	SW-846 6010B	1	08/15/2005 15:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06936	Selenium	SW-846 6010B	1	08/15/2005 15:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06944	Antimony	SW-846 6010B	1	08/15/2005 15:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06947	Beryllium	SW-846 6010B	1	08/15/2005 15:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06949	Cadmium	SW-846 6010B	1	08/15/2005 15:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06951	Chromium	SW-846 6010B	1	08/15/2005 15:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06953	Copper	SW-846 6010B	1	08/15/2005 15:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06955	Lead	SW-846 6010B	1	08/15/2005 15:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06961	Nickel	SW-846 6010B	1	08/15/2005 15:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06966	Silver	SW-846 6010B	1	08/15/2005 15:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR100894

Lancaster Laboratories Sample No. SW 4582268

05-MET-103 Grab Soil Sample

N(9.5'-10')

Former Metro Container Investigation

Collected: 08/11/2005 07:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:49

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-103

06972	Zinc	SW-846 6010B	1	08/15/2005 15:04	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:05	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 12:13	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 09:03	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 15:02	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 23:16	[REDACTED]	0.93
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 23:16	[REDACTED]	0.93
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/14/2005 19:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/14/2005 22:30	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:32	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:00	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR100895

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4582268  
 Sample wt/vol: 5.35 (g/mL) g      Lab File ID: HP09193.i/05aug15a.b/xg15s17.d  
 Level: (low/med) LOW      Date Received: 08/11/05  
 % Moisture: not dec. 19      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 8

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.94	0.015	J
2.	Unknown	4.00	37	J
3. 624-92-0	Disulfide, dimethyl	9.49	0.013	J
4. 108-10-1	Methyl Isobutyl Ketone	9.57	0.018	J
5.	Unknown siloxane	10.24	0.003	J B
6.	Unknown ketone	12.26	0.006	J B
7.	Unknown aromatic	13.22	0.006	J
8. 91-20-3	Naphthalene	14.57	0.007	J
9.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100896

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582268  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0459.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 19 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.247	66	JAB
2.	Unknown	6.281	3.2	J
3.	Unknown Cycloalkane	7.849	2.8	J
4.	Unknown Alkane	7.923	3.4	J
5.	Unknown	7.972	3.8	J
6.	Unknown	8.046	6.1	J
7.	Unknown	8.126	5.3	J
8.	Pyrene, 2-methyl-	8.777	1.2	JX
9.	Unknown	8.845	1.7	J
10.	Unknown	8.931	1.4	J
11.	Unknown Alkane	9.122	3.0	J
12.	Unknown	9.282	2.3	J
13.	Unknown	9.515	2.3	J
14.	Unknown Alkane	9.663	1.3	J
15.	Triphenylene, 2-methyl-	9.730	2.1	JX
16.	Unknown	9.823	3.1	J
17.	Benzo[c]phenanthrene, 5,8-di	10.013	3.1	JX
18.	Unknown	10.081	2.6	J
19.	Unknown	10.351	2.2	J
20.	Benzo[a]pyrene	10.437	1.6	JX
21.	Unknown Alkane	10.683	2.6	J
22.	Unknown	10.776	2.3	J
23.	Unknown Alkane	10.929	1.5	J
24.	Unknown	11.009	2.5	J
25.	Unknown	11.120	1.6	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100897

Lancaster Laboratories Sample No. SW 4582269

05-MET-104 Grab Soil Sample  
N(10'-10.5')  
Former Metro Container Investigation

Collected: 08/11/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 09/01/2005 at 08:50  
Discard: 10/02/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M-104

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0242 J	0.0033	0.122	mg/kg	1
06925	Thallium	7440-28-0	1.37 J	1.22	2.53	mg/kg	1
06935	Arsenic	7440-38-2	3.59	0.848	2.53	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.22	2.53	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.04	2.53	mg/kg	1
06947	Beryllium	7440-41-7	0.827	0.0544	0.633	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.109	0.633	mg/kg	1
06951	Chromium	7440-47-3	29.1	0.671	1.90	mg/kg	1
06953	Copper	7440-50-8	14.1	0.380	1.27	mg/kg	1
06955	Lead	7439-92-1	10.6	0.988	2.53	mg/kg	1
06961	Nickel	7440-02-0	19.0	0.418	1.27	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.241	0.633	mg/kg	1
06972	Zinc	7440-66-6	43.3	0.582	2.53	mg/kg	1
00111	Moisture	n.a.	21.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00435	0.0212	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00435	0.0212	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00435	0.0212	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00844	0.0435	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00844	0.0435	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00844	0.0435	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0435	0.212	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00435	0.0212	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00435	0.0212	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00537	0.0212	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00435	0.0212	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00844	0.0435	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00844	0.0435	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.102	0.435	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.281	0.844	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00435	0.0212	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00844	0.0435	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00844	0.0435	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00844	0.0435	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR100898

Lancaster Laboratories Sample No. SW 4582269

05-MET-104 Grab Soil Sample

N(10'-10.5')

Former Metro Container Investigation

Collected: 08/11/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:50

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-104

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.189	0.435	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0844	0.435	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.123	0.435	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0767	0.435	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.281	0.844	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0844	0.435	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.281	0.844	mg/kg	20

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.64	mg/kg	1
01185	Phenol	108-95-2	0.24	0.043	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.043	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.043	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.043	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.043	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.085	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	0.044 J	0.043	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.64	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.085	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.64	mg/kg	1
01195	Pyrene	129-00-0	1.6	0.043	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.095 J	0.043	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.043	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.043	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.043	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.85	2.6	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.64	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.085	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.043	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.043	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.043	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.043	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.043	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.043	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.043	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.043	0.21	mg/kg	1
03761	Naphthalene	91-20-3	0.057 J	0.043	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100899



**Lancaster Laboratories Sample No. SW 4582269**
**05-MET-104 Grab Soil Sample**
**N(10'-10.5')**
**Former Metro Container Investigation**

Collected: 08/11/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:50

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-104

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.085	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.64	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.043	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.043	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.085	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.043	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.060 J	0.043	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.043	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.085	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.043	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.043	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.043	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.043	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.18 J	0.043	0.21	mg/kg	1
03776	Anthracene	120-12-7	0.19 J	0.043	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.085	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.16 J	0.043	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.85	2.6	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.085	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.0	0.043	0.21	mg/kg	1
03782	Chrysene	218-01-9	1.3	0.043	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.43	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.57	0.085	0.43	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.085	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.46	0.043	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.22	0.043	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.3	0.043	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.45	0.043	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.51	0.043	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	1.3	0.043	0.21	mg/kg	1
The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.06
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR100900

Lancaster Laboratories Sample No. SW 4582269

05-MET-104 Grab Soil Sample  
N(10'-10.5')  
Former Metro Container Investigation

Collected: 08/11/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 09/01/2005 at 08:50  
Discard: 10/02/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M-104

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.06
02020	t-Butyl alcohol	75-65-0	0.040 J	0.027	0.14	mg/kg	1.06
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.06
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.06
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.06
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.06
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.06
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.06
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.06
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.06
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1.06
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1.06
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.06
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.06
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.06
05460	Benzene	71-43-2	0.003 J	0.0007	0.007	mg/kg	1.06
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.06
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.06
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.06
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.06
05466	Toluene	108-88-3	0.003 J	0.001	0.007	mg/kg	1.06
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.06
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.06
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.06
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.06
05474	Ethylbenzene	100-41-4	0.008	0.001	0.007	mg/kg	1.06
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.06
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.06
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.06
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.06
06301	Xylene (Total)	1330-20-7	0.043	0.001	0.007	mg/kg	1.06
07586	Acrolein	107-02-8	N.D.	0.027	0.14	mg/kg	1.06
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.027	mg/kg	1.06

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR100901

Lancaster Laboratories Sample No. SW 4582269

05-MET-104 Grab Soil Sample

N(10'-10.5')

Former Metro Container Investigation

Collected: 08/11/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:50

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-104

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/15/2005 08:25	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/16/2005 03:03	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/15/2005 15:10	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/15/2005 15:10	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/15/2005 15:10	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/15/2005 15:10	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/15/2005 15:10	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/15/2005 15:10	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/15/2005 15:10	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/15/2005 15:10	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/15/2005 15:10	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/15/2005 15:10	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/15/2005 15:10	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:06	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 12:15	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 10:05	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 16:05	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 21:21	[REDACTED]	1.06
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 21:21	[REDACTED]	1.06
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/14/2005 19:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/14/2005 22:30	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100902

**Lancaster Laboratories Sample No. SW 4582269**

**05-MET-104 Grab Soil Sample**

**N(10'-10.5')**

**Former Metro Container Investigation**

Collected: 08/11/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:50

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-104

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:33	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:01	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4582269  
 Sample wt/vol: 4.71 (g/mL) g      Lab File ID: HP09193.i/05aug15a.b/xg15s12.d  
 Level: (low/med) LOW      Date Received: 08/11/05  
 % Moisture: not dec. 22      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.97	0.22	J
2. 67-64-1	!Acetone	3.59	0.031	J
3.	!Unknown	3.86	5.5	J
4. 108-10-1	!Methyl Isobutyl Ketone	9.57	0.032	J
5.	!Unknown alkane	12.46	0.026	J
6.	!Unknown aromatic	12.94	0.028	J
7.	!Unknown aromatic	13.21	0.036	J
8.	!Unknown aromatic	13.25	0.028	J
9.	!Unknown aromatic	13.62	0.039	J
10.	!Unknown	14.04	0.039	J
11.	!Unknown aromatic	14.14	0.086	J
12.	!Unknown aromatic	14.34	0.032	J
13.	!Unknown aromatic	14.44	0.053	J
14.	!Unknown aromatic	14.94	0.037	J
15.	!Unknown aromatic	15.07	0.027	J
16.				
17.				
18.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100904

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582269  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0462.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 22 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.247	24	JAB
2.	Unknown Alkane	5.463	1.7	J
3.	Unknown Alkane	7.554	1.6	J
4.	Unknown	7.621	1.7	J
5.	Unknown	7.701	3.4	J
6.	Unknown	7.769	2.6	J
7.	Unknown	7.849	3.9	J
8.	Unknown Alkane	7.929	1.7	J
9.	Unknown Alkane	7.978	3.2	J
10.	Unknown Cycloalkane	8.046	4.3	J
11.	Phenanthrene, 2,3-dimethyl-	8.132	2.5	JX
12.	Unknown	8.193	4.7	J
13.	Unknown	8.292	3.2	J
14.	Unknown Alkane	8.876	1.4	J
15.	Unknown	9.115	2.0	J
16.	Unknown	9.232	2.2	J
17.	Benz[a]anthracene, 3-methyl-	9.749	1.6	JX
18.	Unknown	9.835	1.5	J
19.	Unknown	9.902	1.4	J
20.	Benzo[c]phenanthrene, 5,8-di	10.032	1.5	JX
21.	Unknown	10.099	1.8	J
22.	Unknown	10.364	1.6	J
23.	Unknown	10.800	1.6	J
24.	Unknown	11.009	1.6	J
25.	Unknown	11.138	1.5	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100905

Lancaster Laboratories Sample No. SW 4582270

05-MET-031 Grab Soil Sample

N(10.5'-11')

Former Metro Container Investigation

Collected: 08/11/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:50

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-031

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0105 J	0.0032	0.119	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.17	2.44	mg/kg	1
06935	Arsenic	7440-38-2	2.46	0.818	2.44	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.17	2.44	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.00	2.44	mg/kg	1
06947	Beryllium	7440-41-7	0.448 J	0.0525	0.610	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.105	0.610	mg/kg	1
06951	Chromium	7440-47-3	29.0	0.647	1.83	mg/kg	1
06953	Copper	7440-50-8	10.9	0.366	1.22	mg/kg	1
06955	Lead	7439-92-1	6.89	0.952	2.44	mg/kg	1
06961	Nickel	7440-02-0	11.9	0.403	1.22	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.232	0.610	mg/kg	1
06972	Zinc	7440-66-6	30.2	0.562	2.44	mg/kg	1
00111	Moisture	n.a.	19.7	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.60	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00212	0.0103	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00212	0.0103	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00212	0.0103	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00411	0.0212	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00411	0.0212	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00411	0.0212	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0212	0.103	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00212	0.0103	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00212	0.0103	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00262	0.0103	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00212	0.0103	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00411	0.0212	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00411	0.0212	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0498	0.212	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.137	0.411	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00212	0.0103	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00411	0.0212	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00411	0.0212	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00411	0.0212	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR100906



**Lancaster Laboratories Sample No. SW 4582270**

**05-MET-031 Grab Soil Sample**

**N(10.5'-11')**

**Former Metro Container Investigation**

Collected: 08/11/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:50

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-031

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0922	0.212	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0411	0.212	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0598	0.212	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0374	0.212	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.137	0.411	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0411	0.212	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.137	0.411	mg/kg	10

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.62	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.042	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.042	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.042	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.042	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.042	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.083	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	0.50	0.042	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.62	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.083	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.62	mg/kg	1
01195	Pyrene	129-00-0	2.9	0.042	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.050 J	0.042	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.042	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.042	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.042	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.83	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.62	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.083	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.042	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.042	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.042	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.042	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.042	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.042	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.042	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.042	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.042	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100907

Lancaster Laboratories Sample No. SW 4582270

05-MET-031 Grab Soil Sample

N(10.5'-11')

Former Metro Container Investigation

Collected: 08/11/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:50

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-031

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.083	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.62	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.042	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	0.045 J	0.042	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.083	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.042	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.43	0.042	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.042	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.083	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.042	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.042	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.042	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.042	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.13 J	0.042	0.21	mg/kg	1
03776	Anthracene	120-12-7	1.5	0.042	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.083	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.38	0.042	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.83	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.083	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	2.3	0.042	0.21	mg/kg	1
03782	Chrysene	218-01-9	2.2	0.042	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.42	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.083	0.42	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.083	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.35	0.042	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.13 J	0.042	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.1	0.042	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.17 J	0.042	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.32	0.042	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.40	0.042	0.21	mg/kg	1
The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.062	0.31	mg/kg	49.6
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR100908

Lancaster Laboratories Sample No. SW 4582270

05-MET-031 Grab Soil Sample

N(10.5'-11')

Former Metro Container Investigation

Collected: 08/11/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:50

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-031

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.031	0.31	mg/kg	49.6
02020	t-Butyl alcohol	75-65-0	N.D.	1.2	6.2	mg/kg	49.6
05444	Chloromethane	74-87-3	N.D.	0.12	0.31	mg/kg	49.6
05445	Vinyl Chloride	75-01-4	N.D.	0.062	0.31	mg/kg	49.6
05446	Bromomethane	74-83-9	N.D.	0.12	0.31	mg/kg	49.6
05447	Chloroethane	75-00-3	N.D.	0.12	0.31	mg/kg	49.6
05448	Trichlorofluoromethane	75-69-4	N.D.	0.12	0.31	mg/kg	49.6
05449	1,1-Dichloroethene	75-35-4	N.D.	0.062	0.31	mg/kg	49.6
05450	Methylene Chloride	75-09-2	N.D.	0.12	0.31	mg/kg	49.6
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.062	0.31	mg/kg	49.6
05452	1,1-Dichloroethane	75-34-3	N.D.	0.062	0.31	mg/kg	49.6
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.062	0.31	mg/kg	49.6
05455	Chloroform	67-66-3	N.D.	0.062	0.31	mg/kg	49.6
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.062	0.31	mg/kg	49.6
05458	Carbon Tetrachloride	56-23-5	N.D.	0.062	0.31	mg/kg	49.6
05460	Benzene	71-43-2	N.D.	0.031	0.31	mg/kg	49.6
05461	1,2-Dichloroethane	107-06-2	N.D.	0.062	0.31	mg/kg	49.6
05462	Trichloroethene	79-01-6	N.D.	0.062	0.31	mg/kg	49.6
05463	1,2-Dichloropropane	78-87-5	N.D.	0.062	0.31	mg/kg	49.6
05465	Bromodichloromethane	75-27-4	N.D.	0.062	0.31	mg/kg	49.6
05466	Toluene	108-88-3	N.D.	0.062	0.31	mg/kg	49.6
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.062	0.31	mg/kg	49.6
05468	Tetrachloroethene	127-18-4	N.D.	0.062	0.31	mg/kg	49.6
05470	Dibromochloromethane	124-48-1	N.D.	0.062	0.31	mg/kg	49.6
05472	Chlorobenzene	108-90-7	N.D.	0.062	0.31	mg/kg	49.6
05474	Ethylbenzene	100-41-4	N.D.	0.062	0.31	mg/kg	49.6
05478	Bromoform	75-25-2	N.D.	0.062	0.31	mg/kg	49.6
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.062	0.31	mg/kg	49.6
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.062	0.31	mg/kg	49.6
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.062	0.31	mg/kg	49.6
06301	Xylene (Total)	1330-20-7	N.D.	0.062	0.31	mg/kg	49.6
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.12	0.62	mg/kg	49.6
07586	Acrolein	107-02-8	N.D.	1.2	6.2	mg/kg	49.6
07587	Acrylonitrile	107-13-1	N.D.	0.25	1.2	mg/kg	49.6

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR100909

Lancaster Laboratories Sample No. SW 4582270

05-MET-031 Grab Soil Sample

N(10.5'-11')

Former Metro Container Investigation

Collected: 08/11/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:50

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-031

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/15/2005 08:29	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/16/2005 03:08	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/15/2005 15:28	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/15/2005 15:28	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/15/2005 15:28	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/15/2005 15:28	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/15/2005 15:28	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/15/2005 15:28	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/15/2005 15:28	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/15/2005 15:28	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/15/2005 15:28	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/15/2005 15:28	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/15/2005 15:28	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:07	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 12:16	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 10:25	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 16:26	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 00:11	[REDACTED]	49.6
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 00:11	[REDACTED]	49.6
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/14/2005 19:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/14/2005 22:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100910

**Lancaster Laboratories Sample No. SW 4582270**

**05-MET-031 Grab Soil Sample**

**N(10.5'-11')**

**Former Metro Container Investigation**

Collected: 08/11/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:50

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-031

05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:35	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:02	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4582270  
 Sample wt/vol: 5.04 (g/mL) g      Lab File ID: HP07536.i/05aug16a.b/qg16s35.d  
 Level: (low/med) MED      Date Received: 08/11/05  
 % Moisture: not dec. 20      Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP      Dilution Factor: 49.6  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	4.13	13	J
2.	Unknown alicyclic	12.63	0.94	J
3.	Unknown alicyclic	13.10	1.4	J
4.	Unknown aromatic	13.69	1.2	J
5.	Unknown aromatic	13.83	0.89	J
6.	Unknown alicyclic	13.93	1.6	J
7.	Unknown aromatic	14.28	0.90	J
8.	Unknown aromatic	14.38	0.91	J
9.	Unknown aromatic	14.51	1.1	J
10.	Unknown aromatic	14.61	0.85	J
11.	Unknown aromatic	14.73	0.97	J
12.	Unknown	14.82	1.4	J
13.	Unknown	14.87	0.86	J
14.	Unknown	15.25	0.88	J
15.	Unknown	15.50	1.1	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100912

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582270  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0463.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 20 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.248	340	JAB
2.	Unknown Alkane	4.984	2.2	J
3.	Unknown Alkane	5.402	1.5	J
4.	1H-Indene, 2,3-dihydro-1,4,7	5.642	1.1	JX
5.	Unknown Cycloalkane	5.875	1.5	J
6.	Unknown Alkane	5.900	1.2	J
7.	Unknown	6.091	2.3	J
8.	Unknown	6.263	1.9	J
9.	Unknown	6.287	.99	J
10.	Unknown Cycloalkane	6.324	2.5	J
11.	1-Isopropenyl naphthalene	6.558	1.7	JX
12.	Unknown Cycloalkane	6.742	1.8	J
13.	Unknown Alkane	6.890	2.0	J
14.	9H-Fluorene, 9-methyl-	6.976	1.7	JX
15.	2,2'-Dimethylbiphenyl	7.007	1.1	JX
16.	Unknown	7.062	1.0	J
17.	1,7-Dimethyl-5-phenyltricycl	7.179	1.1	JX
18.	Unknown	7.394	1.6	J
19.	Unknown	7.505	1.0	J
20.	Unknown Alkane	7.560	1.3	J
21.	Unknown Alkane	7.732	1.0	J
22.	Unknown Cycloalkane	7.861	1.1	J
23.	Unknown Alkane	8.163	1.1	J
24.	Unknown Cycloalkane	8.200	1.3	J
25.	Unknown	8.722	1.2	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100913



Lancaster Laboratories Sample No. SW 4582271

05-MET-032 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/11/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:51

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-032

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.555	0.0034	0.128	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.21	2.53	mg/kg	1
06935	Arsenic	7440-38-2	2.79	0.848	2.53	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.21	2.53	mg/kg	1
06944	Antimony	7440-36-0	1.94 J	1.04	2.53	mg/kg	1
06947	Beryllium	7440-41-7	0.258 J	0.0544	0.633	mg/kg	1
06949	Cadmium	7440-43-9	1.77	0.109	0.633	mg/kg	1
06951	Chromium	7440-47-3	34.3	0.670	1.90	mg/kg	1
06953	Copper	7440-50-8	36.9	0.380	1.27	mg/kg	1
06955	Lead	7439-92-1	577.	0.987	2.53	mg/kg	1
06961	Nickel	7440-02-0	5.02	0.417	1.27	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.240	0.633	mg/kg	1
06972	Zinc	7440-66-6	109.	0.582	2.53	mg/kg	1
00111	Moisture	n.a.	22.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.63	mg/kg	1
05912	Phenols	n.a.	1.8 J	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	0.0201 J	0.00439	0.0214	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00439	0.0214	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00439	0.0214	mg/kg	20
01221	p,p-DDT	50-29-3	0.0165 J	0.00852	0.0439	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00852	0.0439	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00852	0.0439	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0439	0.214	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00439	0.0214	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00439	0.0214	mg/kg	20
01983	Delta BHC	319-86-8	0.0141 J	0.00542	0.0214	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00439	0.0214	mg/kg	20
01985	p,p-DDE	72-55-9	0.0202 J	0.00852	0.0439	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00852	0.0439	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.103	0.439	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.284	0.852	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00439	0.0214	mg/kg	20
01990	Endosulfan II	33213-65-9	0.0179 J	0.00852	0.0439	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00852	0.0439	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00852	0.0439	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR100914

Lancaster Laboratories Sample No. SW 4582271

05-MET-032 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/11/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:51

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-032

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.191	0.439	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0852	0.439	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.124	0.439	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0774	0.439	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.284	0.852	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0852	0.439	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.284	0.852	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.9	9.7	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.65	3.2	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.65	3.2	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.65	3.2	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.65	3.2	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.65	3.2	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	1.3	3.2	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.65	3.2	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	3.2	9.7	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	1.3	3.2	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	3.2	9.7	mg/kg	5
01195	Pyrene	129-00-0	2.8 J	0.65	3.2	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.65	3.2	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.65	3.2	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.9	3.2	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.65	3.2	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.65	3.2	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	13.	39.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	3.2	9.7	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	1.3	3.2	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.65	3.2	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.65	3.2	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	3.8	0.65	3.2	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.65	3.2	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.65	3.2	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.65	3.2	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.65	3.2	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR100915

**Lancaster Laboratories Sample No. SW 4582271**
**05-MET-032 Grab Soil Sample**
**N(4.5'-5')**
**Former Metro Container Investigation**

Collected: 08/11/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:51

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-032

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.65	3.2	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.65	3.2	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	1.3	3.2	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	3.2	9.7	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.65	3.2	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.65	3.2	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	1.3	3.2	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.65	3.2	mg/kg	5
03768	Fluorene	86-73-7	1.5 J	0.65	3.2	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.65	3.2	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	1.3	3.2	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.65	3.2	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	1.4 J	0.65	3.2	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.65	3.2	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.65	3.2	mg/kg	5
03775	Phenanthrene	85-01-8	N.D.	0.65	3.2	mg/kg	5
03776	Anthracene	120-12-7	0.73 J	0.65	3.2	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	1.3	3.2	mg/kg	5
03778	Fluoranthene	206-44-0	1.8 J	0.65	3.2	mg/kg	5
03779	Benzidine	92-87-5	N.D.	13.	39.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	1.3	3.2	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	1.6 J	0.65	3.2	mg/kg	5
03782	Chrysene	218-01-9	2.7 J	0.65	3.2	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.9	6.5	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	38.	1.3	6.5	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	4.7	1.3	3.2	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	1.7 J	0.65	3.2	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.65	3.2	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	1.3 J	0.65	3.2	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.0 J	0.65	3.2	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	1.0 J	0.65	3.2	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	2.4 J	0.65	3.2	mg/kg	5

The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4582271

05-MET-032 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/11/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:51

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-032

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.67	3.4	mg/kg	519.75
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.34	3.4	mg/kg	519.75
02020	t-Butyl alcohol	75-65-0	N.D.	13.	67.	mg/kg	519.75
05444	Chloromethane	74-87-3	N.D.	1.3	3.4	mg/kg	519.75
05445	Vinyl Chloride	75-01-4	N.D.	0.67	3.4	mg/kg	519.75
05446	Bromomethane	74-83-9	N.D.	1.3	3.4	mg/kg	519.75
05447	Chloroethane	75-00-3	N.D.	1.3	3.4	mg/kg	519.75
05448	Trichlorofluoromethane	75-69-4	N.D.	1.3	3.4	mg/kg	519.75
05449	1,1-Dichloroethene	75-35-4	N.D.	0.67	3.4	mg/kg	519.75
05450	Methylene Chloride	75-09-2	N.D.	1.3	3.4	mg/kg	519.75
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.67	3.4	mg/kg	519.75
05452	1,1-Dichloroethane	75-34-3	N.D.	0.67	3.4	mg/kg	519.75
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.67	3.4	mg/kg	519.75
05455	Chloroform	67-66-3	N.D.	0.67	3.4	mg/kg	519.75
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.67	3.4	mg/kg	519.75
05458	Carbon Tetrachloride	56-23-5	N.D.	0.67	3.4	mg/kg	519.75
05460	Benzene	71-43-2	N.D.	0.34	3.4	mg/kg	519.75
05461	1,2-Dichloroethane	107-06-2	N.D.	0.67	3.4	mg/kg	519.75
05462	Trichloroethene	79-01-6	N.D.	0.67	3.4	mg/kg	519.75
05463	1,2-Dichloropropane	78-87-5	N.D.	0.67	3.4	mg/kg	519.75
05465	Bromodichloromethane	75-27-4	N.D.	0.67	3.4	mg/kg	519.75
05466	Toluene	108-88-3	1.2 J	0.67	3.4	mg/kg	519.75
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.67	3.4	mg/kg	519.75
05468	Tetrachloroethene	127-18-4	N.D.	0.67	3.4	mg/kg	519.75
05470	Dibromochloromethane	124-48-1	N.D.	0.67	3.4	mg/kg	519.75
05472	Chlorobenzene	108-90-7	N.D.	0.67	3.4	mg/kg	519.75
05474	Ethylbenzene	100-41-4	N.D.	0.67	3.4	mg/kg	519.75
05478	Bromoform	75-25-2	N.D.	0.67	3.4	mg/kg	519.75
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.67	3.4	mg/kg	519.75
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.67	3.4	mg/kg	519.75
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.67	3.4	mg/kg	519.75
06301	Xylene (Total)	1330-20-7	1.5 J	0.67	3.4	mg/kg	519.75

\*=This limit was used in the evaluation of the final result

AR100917

Lancaster Laboratories Sample No. SW 4582271

05-MET-032 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/11/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:51

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-032

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	1.3	6.7	mg/kg	519.75
07586	Acrolein	107-02-8	N.D.	13.	67.	mg/kg	519.75
07587	Acrylonitrile	107-13-1	N.D.	2.7	13.	mg/kg	519.75

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/15/2005 08:30	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/16/2005 03:13	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/15/2005 15:33	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/15/2005 15:33	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/15/2005 15:33	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/15/2005 15:33	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/15/2005 15:33	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/15/2005 15:33	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/15/2005 15:33	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/15/2005 15:33	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100918

Lancaster Laboratories Sample No. SW 4582271

05-MET-032 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/11/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:51

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-032

06961	Nickel	SW-846 6010B	1	08/15/2005 15:33	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/15/2005 15:33	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/15/2005 15:33	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:13	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/16/2005 12:26	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 10:46	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 16:47	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 00:34	[REDACTED]	519.75
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 00:34	[REDACTED]	519.75
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/14/2005 19:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/14/2005 22:30	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/15/2005 14:40	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:37	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:03	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR100919

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4582271  
 Sample wt/vol: 4.81 (g/mL) g      Lab File ID: HP07536.i/05aug16a.b/qg16s36.d  
 Level: (low/med) MED      Date Received: 08/11/05  
 % Moisture: not dec. 23      Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP      Dilution Factor: 519.8  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown aromatic	13.48	4.5	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100920



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582271  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0464.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 23 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.235	72	JAB
2.	Unknown	6.736	150	J
3.	Unknown	6.896	250	J
4.	Unknown	6.927	420	J
5.	Unknown	7.074	110	J
6.	Unknown Alkane	8.882	7.7	J
7.	Unknown	8.962	9.2	J
8.	Unknown	8.999	6.9	J
9.	1-Phenanthrenecarboxylic aci	9.011	9.0	JX
10.	Unknown	9.128	6.9	J
11.	Tetradecane, 5-methyl-	9.171	6.7	JX
12.	Unknown	9.294	6.4	J
13.	Unknown	9.540	7.4	J
14.	Unknown Alkane	9.657	7.3	J
15.	Unknown Alkane	9.804	6.9	J
16.	Unknown	9.860	8.9	J
17.	Unknown	9.927	8.2	J
18.	Unknown Alkane	10.007	8.3	J
19.	Unknown	10.192	7.1	J
20.	Unknown Alkane	10.597	7.6	J
21.	Unknown Alkane	10.862	9.1	J
22.	Unknown Alkane	10.942	13	J
23.	Unknown	11.009	7.4	J
24.	Unknown Alkane	11.065	6.9	J
25.	Unknown	11.151	9.7	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100921

**Lancaster Laboratories Sample No. SW 4582272**
**05-MET-033 Grab Soil Sample**
**N(8.5'-9')**
**Former Metro Container Investigation**

Collected: 08/11/2005 11:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-033

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.214	0.0034	0.129	mg/kg	1
06925	Thallium	7440-28-0	1.48 J	1.25	2.60	mg/kg	1
06935	Arsenic	7440-38-2	16.5	0.872	2.60	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.25	2.60	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.07	2.60	mg/kg	1
06947	Beryllium	7440-41-7	0.105 J	0.0560	0.651	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.112	0.651	mg/kg	1
06951	Chromium	7440-47-3	17.3	0.690	1.95	mg/kg	1
06953	Copper	7440-50-8	11.1	0.391	1.30	mg/kg	1
06955	Lead	7439-92-1	22.1	1.02	2.60	mg/kg	1
06961	Nickel	7440-02-0	4.61	0.430	1.30	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.247	0.651	mg/kg	1
06972	Zinc	7440-66-6	18.5	0.599	2.60	mg/kg	1
00111	Moisture	n.a.	24.7	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.65	mg/kg	1
05912	Phenols	n.a.	5.4	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00226	0.0110	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00226	0.0110	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00226	0.0110	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00438	0.0226	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00438	0.0226	mg/kg	10
01223	Endrin	72-20-8	0.00761 J	0.00438	0.0226	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0226	0.110	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00226	0.0110	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00226	0.0110	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00279	0.0110	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00226	0.0110	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00438	0.0226	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00438	0.0226	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0531	0.226	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.146	0.438	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00226	0.0110	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00438	0.0226	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00438	0.0226	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00438	0.0226	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR100922

**Lancaster Laboratories Sample No. SW 4582272**
**05-MET-033 Grab Soil Sample**
**N(8.5'-9')**
**Former Metro Container Investigation**

Collected: 08/11/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-033

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0983	0.226	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0438	0.226	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0637	0.226	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0398	0.226	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.146	0.438	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0438	0.226	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.146	0.438	mg/kg	10

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.66	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.044	0.22	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.044	0.22	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.044	0.22	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.044	0.22	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.044	0.22	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.089	0.22	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.044	0.22	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.22	0.66	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.089	0.22	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.22	0.66	mg/kg	1
01195	Pyrene	129-00-0	2.3	0.044	0.22	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	1.0	0.044	0.22	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.044	0.22	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.22	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.044	0.22	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.044	0.22	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.89	2.7	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.22	0.66	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.089	0.22	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.044	0.22	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.044	0.22	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.044	0.22	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.044	0.22	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.044	0.22	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.044	0.22	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.044	0.22	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.044	0.22	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.044	0.22	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100923

**Lancaster Laboratories Sample No. SW 4582272**
**05-MET-033 Grab Soil Sample**
**N(8.5'-9')**
**Former Metro Container Investigation**

Collected: 08/11/2005 11:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-033

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.089	0.22	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.22	0.66	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.044	0.22	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.044	0.22	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.089	0.22	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.044	0.22	mg/kg	1
03768	Fluorene	86-73-7	0.27	0.044	0.22	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.044	0.22	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.089	0.22	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.044	0.22	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.044	0.22	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.044	0.22	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.044	0.22	mg/kg	1
03775	Phenanthrene	85-01-8	1.8	0.044	0.22	mg/kg	1
03776	Anthracene	120-12-7	0.82	0.044	0.22	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.089	0.22	mg/kg	1
03778	Fluoranthene	206-44-0	0.36	0.044	0.22	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.89	2.7	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.089	0.22	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.9	0.044	0.22	mg/kg	1
03782	Chrysene	218-01-9	2.5	0.044	0.22	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.44	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.089	0.44	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.089	0.22	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.59	0.044	0.22	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.18 J	0.044	0.22	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.65	0.044	0.22	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.31	0.044	0.22	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.44	0.044	0.22	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.62	0.044	0.22	mg/kg	1
The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.13	0.66	mg/kg	99.4
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR100924

**Lancaster Laboratories Sample No. SW 4582272**
**05-MET-033 Grab Soil Sample**
**N(8.5'-9')**
**Former Metro Container Investigation**

Collected: 08/11/2005 11:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-033

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.066	0.66	mg/kg	99.4
02020	t-Butyl alcohol	75-65-0	N.D.	2.6	13.	mg/kg	99.4
05444	Chloromethane	74-87-3	N.D.	0.26	0.66	mg/kg	99.4
05445	Vinyl Chloride	75-01-4	N.D.	0.13	0.66	mg/kg	99.4
05446	Bromomethane	74-83-9	N.D.	0.26	0.66	mg/kg	99.4
05447	Chloroethane	75-00-3	N.D.	0.26	0.66	mg/kg	99.4
05448	Trichlorofluoromethane	75-69-4	N.D.	0.26	0.66	mg/kg	99.4
05449	1,1-Dichloroethene	75-35-4	N.D.	0.13	0.66	mg/kg	99.4
05450	Methylene Chloride	75-09-2	N.D.	0.26	0.66	mg/kg	99.4
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.13	0.66	mg/kg	99.4
05452	1,1-Dichloroethane	75-34-3	N.D.	0.13	0.66	mg/kg	99.4
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.13	0.66	mg/kg	99.4
05455	Chloroform	67-66-3	N.D.	0.13	0.66	mg/kg	99.4
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.13	0.66	mg/kg	99.4
05458	Carbon Tetrachloride	56-23-5	N.D.	0.13	0.66	mg/kg	99.4
05460	Benzene	71-43-2	N.D.	0.066	0.66	mg/kg	99.4
05461	1,2-Dichloroethane	107-06-2	N.D.	0.13	0.66	mg/kg	99.4
05462	Trichloroethene	79-01-6	N.D.	0.13	0.66	mg/kg	99.4
05463	1,2-Dichloropropane	78-87-5	N.D.	0.13	0.66	mg/kg	99.4
05465	Bromodichloromethane	75-27-4	N.D.	0.13	0.66	mg/kg	99.4
05466	Toluene	108-88-3	N.D.	0.13	0.66	mg/kg	99.4
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.13	0.66	mg/kg	99.4
05468	Tetrachloroethene	127-18-4	N.D.	0.13	0.66	mg/kg	99.4
05470	Dibromochloromethane	124-48-1	N.D.	0.13	0.66	mg/kg	99.4
05472	Chlorobenzene	108-90-7	N.D.	0.13	0.66	mg/kg	99.4
05474	Ethylbenzene	100-41-4	0.57 J	0.13	0.66	mg/kg	99.4
05478	Bromoform	75-25-2	N.D.	0.13	0.66	mg/kg	99.4
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.13	0.66	mg/kg	99.4
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.13	0.66	mg/kg	99.4
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.13	0.66	mg/kg	99.4
06301	Xylene (Total)	1330-20-7	1.1	0.13	0.66	mg/kg	99.4
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.26	1.3	mg/kg	99.4
07586	Acrolein	107-02-8	N.D.	2.6	13.	mg/kg	99.4
07587	Acrylonitrile	107-13-1	N.D.	0.53	2.6	mg/kg	99.4

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

\* = This limit was used in the evaluation of the final result

AR100925

Lancaster Laboratories Sample No. SW 4582272

05-MET-033 Grab Soil Sample  
N(8.5'-9')  
Former Metro Container Investigation

Collected: 08/11/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-033

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/15/2005 08:32	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/16/2005 03:17	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/15/2005 15:39	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/15/2005 15:39	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/15/2005 15:39	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/15/2005 15:39	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/15/2005 15:39	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/15/2005 15:39	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/15/2005 15:39	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/15/2005 15:39	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/15/2005 15:39	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/15/2005 15:39	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/15/2005 15:39	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:14	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/18/2005 13:29	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 11:06	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 17:08	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 00:57	[REDACTED]	99.4
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 00:57	[REDACTED]	99.4
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/14/2005 19:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100926

**Lancaster Laboratories Sample No. SW 4582272**

**05-MET-033 Grab Soil Sample**

**N(8.5'-9')**

**Former Metro Container Investigation**

Collected: 08/11/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-033

05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/14/2005 22:30	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:38	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:04	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4582272  
 Sample wt/vol: 5.03 (g/mL) g Lab File ID: HP07536.i/05aug16a.b/qg16s37.d  
 Level: (low/med) MED Date Received: 08/11/05  
 % Moisture: not dec. 25 Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP Dilution Factor: 99.4  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown alkane	11.58	9.6	J
2.	Unknown alkane	12.63	18.	J
3.	Unknown aromatic	12.93	4.4	J
4.	Unknown alicyclic	13.10	4.8	J
5.	Unknown alkane	13.48	14.	J
6.	Unknown aromatic	13.79	4.1	J
7.	Unknown aromatic	13.92	4.5	J
8.	Unknown alkane	14.21	8.2	J
9.	Unknown aromatic	14.30	4.5	J
10.	Unknown aromatic	14.31	6.6	J
11.	Unknown aromatic	14.52	4.4	J
12.	Unknown aromatic	14.62	8.5	J
13.	Unknown	14.83	5.5	J
14.	Unknown	14.89	4.1	J
15.	Unknown aromatic	15.24	5.0	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100928

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582272  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0465.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 25 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.247	11	JAB
2.	!Unknown Alkane	4.080	2.2	J
3.	!Unknown Alkane	4.652	4.1	J
4.	!Unknown Alkane	5.168	5.7	J
5.	!Unknown	5.402	3.1	J
6.	!Unknown Alkane	5.469	4.2	J
7.	!Unknown Cycloalkane	5.875	2.2	J
8.	!Unknown Alkane	5.949	2.0	J
9.	!Unknown Alkane	6.078	5.9	J
10.	!Unknown Alkane	6.336	2.5	J
11.	!Unknown Alkane	6.668	2.5	J
12.	!Unknown Cycloalkane	6.736	3.3	J
13.	!Unknown Alkane	6.877	4.7	J
14.	!Unknown	7.474	2.4	J
15.	!Unknown Alkane	7.941	2.7	J
16.	!Phenanthrene, 4,5-dimethyl-	7.990	3.5	JX
17.	!Unknown Alkane	8.064	3.1	J
18.	!Phenanthrene, 3,6-dimethyl-	8.082	2.5	JX
19.	!Phenanthrene, 2,3-dimethyl-	8.144	2.5	JX
20.	!Unknown Alkane	8.169	2.9	J
21.	!Unknown Cycloalkane	8.199	2.9	J
22.	!Unknown Alkane	8.371	1.7	J
23.	!Unknown Alkane	8.482	2.2	J
24.	!Unknown Cycloalkane	9.128	1.7	J
25.	!Chrysene, 6-methyl-	9.761	2.3	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100929

**Lancaster Laboratories Sample No. SW 4582273**

**05-MET-127 Grab Soil Sample**

**N(6.5'-7')**

**Former Metro Container Investigation**

Collected: 08/11/2005 12:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-127

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0402 J	0.0036	0.135	mg/kg	1
06925	Thallium	7440-28-0	1.32 J	1.28	2.67	mg/kg	1
06935	Arsenic	7440-38-2	8.03	0.895	2.67	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.28	2.67	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.10	2.67	mg/kg	1
06947	Beryllium	7440-41-7	0.458 J	0.0575	0.668	mg/kg	1
06949	Cadmium	7440-43-9	1.16	0.115	0.668	mg/kg	1
06951	Chromium	7440-47-3	28.3	0.708	2.00	mg/kg	1
06953	Copper	7440-50-8	85.2	0.401	1.34	mg/kg	1
06955	Lead	7439-92-1	26.0	1.04	2.67	mg/kg	1
06961	Nickel	7440-02-0	31.9	0.441	1.34	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.254	0.668	mg/kg	1
06972	Zinc	7440-66-6	284.	0.615	2.67	mg/kg	1
00111	Moisture	n.a.	25.9	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.66	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.7	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00459	0.0224	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00459	0.0224	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00459	0.0224	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00891	0.0459	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00891	0.0459	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00891	0.0459	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0459	0.224	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00459	0.0224	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00459	0.0224	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00567	0.0224	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00459	0.0224	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00891	0.0459	mg/kg	20
01986	p,p-DDD	72-54-8	0.0165 J	0.00891	0.0459	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.108	0.459	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.297	0.891	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00459	0.0224	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00891	0.0459	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00891	0.0459	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00891	0.0459	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR100930

**Lancaster Laboratories Sample No. SW 4582273**

**05-MET-127 Grab Soil Sample**

**N(6.5'-7')**

**Former Metro Container Investigation**

Collected: 08/11/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-127

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.200	0.459	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0891	0.459	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.130	0.459	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0810	0.459	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.297	0.891	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0891	0.459	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.297	0.891	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	4.0	20.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.3	6.7	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.3	6.7	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.3	6.7	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.3	6.7	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.3	6.7	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.7	6.7	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	1.3	6.7	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	6.7	20.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.7	6.7	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	6.7	20.	mg/kg	10
01195	Pyrene	129-00-0	6.2 J	1.3	6.7	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	1.3	6.7	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.3	6.7	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	4.0	6.7	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.3	6.7	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.3	6.7	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	27.	81.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	6.7	20.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.7	6.7	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.3	6.7	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.3	6.7	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.3	6.7	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.3	6.7	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	1.3	6.7	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.3	6.7	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.3	6.7	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR100931

Lancaster Laboratories Sample No. SW 4582273

05-MET-127 Grab Soil Sample

N(6.5'-7')

Former Metro Container Investigation

Collected: 08/11/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-127

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.3	6.7	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	1.3	6.7	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.7	6.7	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	6.7	20.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.3	6.7	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.3	6.7	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.7	6.7	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.3	6.7	mg/kg	10
03768	Fluorene	86-73-7	N.D.	1.3	6.7	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.3	6.7	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.7	6.7	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.3	6.7	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.3	6.7	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.3	6.7	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.3	6.7	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	1.3	6.7	mg/kg	10
03776	Anthracene	120-12-7	N.D.	1.3	6.7	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	2.7	6.7	mg/kg	10
03778	Fluoranthene	206-44-0	N.D.	1.3	6.7	mg/kg	10
03779	Benzidine	92-87-5	N.D.	27.	81.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.7	6.7	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	3.6 J	1.3	6.7	mg/kg	10
03782	Chrysene	218-01-9	7.5	1.3	6.7	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.0	13.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.7	13.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.7	6.7	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	2.4 J	1.3	6.7	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	1.3	6.7	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	4.2 J	1.3	6.7	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	2.3 J	1.3	6.7	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	2.3 J	1.3	6.7	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	4.5 J	1.3	6.7	mg/kg	10

The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4582273

05-MET-127 Grab Soil Sample

N(6.5'-7')

Former Metro Container Investigation

Collected: 08/11/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-127

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.011	mg/kg	1.56
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.011	mg/kg	1.56
02020	t-Butyl alcohol	75-65-0	N.D.	0.042	0.21	mg/kg	1.56
05444	Chloromethane	74-87-3	N.D.	0.004	0.011	mg/kg	1.56
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.011	mg/kg	1.56
05446	Bromomethane	74-83-9	N.D.	0.004	0.011	mg/kg	1.56
05447	Chloroethane	75-00-3	N.D.	0.004	0.011	mg/kg	1.56
05448	Trichlorofluoromethane	75-69-4	N.D.	0.004	0.011	mg/kg	1.56
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.011	mg/kg	1.56
05450	Methylene Chloride	75-09-2	N.D.	0.004	0.011	mg/kg	1.56
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.011	mg/kg	1.56
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.011	mg/kg	1.56
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.011	mg/kg	1.56
05455	Chloroform	67-66-3	0.002 J	0.002	0.011	mg/kg	1.56
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.011	mg/kg	1.56
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.011	mg/kg	1.56
05460	Benzene	71-43-2	N.D.	0.001	0.011	mg/kg	1.56
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.011	mg/kg	1.56
05462	Trichloroethene	79-01-6	N.D.	0.002	0.011	mg/kg	1.56
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.011	mg/kg	1.56
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.011	mg/kg	1.56
05466	Toluene	108-88-3	N.D.	0.002	0.011	mg/kg	1.56
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.011	mg/kg	1.56
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.011	mg/kg	1.56
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.011	mg/kg	1.56
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.011	mg/kg	1.56
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.011	mg/kg	1.56
05478	Bromoform	75-25-2	N.D.	0.002	0.011	mg/kg	1.56
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.011	mg/kg	1.56
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.011	mg/kg	1.56
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.011	mg/kg	1.56
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.011	mg/kg	1.56

\*=This limit was used in the evaluation of the final result

AR100933

Lancaster Laboratories Sample No. SW 4582273

05-MET-127 Grab Soil Sample

N(6.5'-7')

Former Metro Container Investigation

Collected: 08/11/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-127

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07586	Acrolein	107-02-8	N.D.	0.042	0.21	mg/kg	1.56
07587	Acrylonitrile	107-13-1	N.D.	0.008	0.042	mg/kg	1.56
2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/15/2005 08:33	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/16/2005 03:22	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/15/2005 15:45	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/15/2005 15:45	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/15/2005 15:45	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/15/2005 15:45	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/15/2005 15:45	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/15/2005 15:45	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/15/2005 15:45	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/15/2005 15:45	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/15/2005 15:45	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/15/2005 15:45	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/15/2005 15:45	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:15	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/18/2005 14:07	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100934



**Lancaster Laboratories Sample No. SW 4582273**

**05-MET-127 Grab Soil Sample**

**N(6.5'-7')**

**Former Metro Container Investigation**

Collected: 08/11/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:52

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-127

01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 11:27	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 17:29	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 21:44	[REDACTED]	1.56
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 21:44	[REDACTED]	1.56
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/14/2005 19:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/14/2005 22:30	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:40	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:05	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4582273  
 Sample wt/vol: 3.2 (g/mL) g      Lab File ID: HP09193.i/05aug15a.b/xg15s13.d  
 Level: (low/med) LOW      Date Received: 08/11/05  
 % Moisture: not dec. 26      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.87	0.72	J
2.	Unknown	13.46	0.30	J
3.	Unknown alkane	13.55	0.33	J
4.	Unknown	13.67	0.42	J
5.	Unknown	13.74	0.23	J
6.	Unknown	14.06	0.25	J
7.	Unknown	14.12	0.20	J
8.	Unknown alkane	14.15	0.54	J
9.	Unknown alicyclic	14.22	0.45	J
10.	Unknown aliphatic	14.27	0.29	J
11.	Unknown	14.33	0.23	J
12.	Unknown aliphatic	14.48	0.29	J
13. 1000113-60-0	cis,cis,cis-1-Isobutyl-2,5-	14.63	0.22	J
14.	Unknown alicyclic	14.76	0.28	J
15.	Unknown	14.84	0.28	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100936

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582273  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0466.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 26 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.229	63	JAB
2.	Unknown Alkane	7.560	130	J
3.	Unknown	7.701	150	J
4.	Unknown Alkane	8.156	160	J
5.	1H-Indene, 2-methyl-3-phenyl	8.193	180	JX
6.	Unknown	8.501	9.9	J
7.	Unknown Alkane	8.710	16	J
8.	Pyrene, 1-methyl-	8.783	12	JX
9.	9-Phenyl-5H-benzocyclohepten	8.820	10	JX
10.	Pyrene, 4-methyl-	8.851	10	JX
11.	Unknown	8.876	8.3	J
12.	Unknown	9.023	11	J
13.	Unknown	9.060	8.7	J
14.	o-Terphenyl	9.103	9.0	JX
15.	Unknown	9.146	8.4	J
16.	Unknown	9.238	9.3	J
17.	Unknown	9.288	15	J
18.	Unknown Alkane	9.540	14	J
19.	Benz[a]anthracene, 8-methyl-	9.730	14	JX
20.	Unknown	9.792	12	J
21.	Unknown	9.823	12	J
22.	4,5,11,12-Tetrahydrobenzo[A]	10.019	84	JX
23.	Benz[a]anthracene, 7,12-dime	10.087	96	JX
24.	Unknown	10.179	61	J
25.	Unknown	10.997	57	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100937

Lancaster Laboratories Sample No. SW 4582274

05-MET-104S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/11/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:53

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M104S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	1.98	0.0141	0.529	mg/kg	5
06925	Thallium	7440-28-0	3.97	1.05	2.19	mg/kg	1
06935	Arsenic	7440-38-2	10.2	0.735	2.19	mg/kg	1
06936	Selenium	7782-49-2	1.18 J	1.05	2.19	mg/kg	1
06944	Antimony	7440-36-0	1.98 J	0.899	2.19	mg/kg	1
06947	Beryllium	7440-41-7	0.234 J	0.0471	0.548	mg/kg	1
06949	Cadmium	7440-43-9	14.4	0.0943	0.548	mg/kg	1
06951	Chromium	7440-47-3	90.7	0.581	1.64	mg/kg	1
06953	Copper	7440-50-8	154.	0.329	1.10	mg/kg	1
06955	Lead	7439-92-1	607.	0.855	2.19	mg/kg	1
06961	Nickel	7440-02-0	26.6	0.362	1.10	mg/kg	1
06966	Silver	7440-22-4	0.795	0.208	0.548	mg/kg	1
06972	Zinc	7440-66-6	633.	0.504	2.19	mg/kg	1
00111	Moisture	n.a.	12.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.20	0.55	mg/kg	1
05912	Phenols	n.a.	4.7	1.4	4.0	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0485	0.237	mg/kg	250
01219	Heptachlor	76-44-8	N.D.	0.0485	0.237	mg/kg	250
01220	Aldrin	309-00-2	N.D.	0.0485	0.237	mg/kg	250
01221	p,p-DDT	50-29-3	N.D.	0.0941	0.485	mg/kg	250
01222	Dieldrin	60-57-1	N.D.	0.482	0.485	mg/kg	250
01223	Endrin	72-20-8	N.D.	0.0941	0.485	mg/kg	250
01859	Methoxychlor	72-43-5	N.D.	0.485	2.37	mg/kg	250
01981	Alpha BHC	319-84-6	N.D.	0.0485	0.237	mg/kg	250
01982	Beta BHC	319-85-7	N.D.	0.0485	0.237	mg/kg	250
01983	Delta BHC	319-86-8	N.D.	0.0599	0.237	mg/kg	250
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0485	0.237	mg/kg	250
01985	p,p-DDE	72-55-9	N.D.	1.75	1.75	mg/kg	250
01986	p,p-DDD	72-54-8	N.D.	1.25	1.25	mg/kg	250
01987	Chlordane	57-74-9	N.D.	1.14	4.85	mg/kg	250
01988	Toxaphene	8001-35-2	N.D.	3.14	9.41	mg/kg	250
01989	Endosulfan I	959-98-8	N.D.	0.0485	0.237	mg/kg	250
01990	Endosulfan II	33213-65-9	N.D.	0.0941	0.485	mg/kg	250
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0941	0.485	mg/kg	250
01992	Endrin Aldehyde	7421-93-4	N.D.	0.528	0.528	mg/kg	250

\*=This limit was used in the evaluation of the final result

AR100938

Lancaster Laboratories Sample No. SW 4582274

05-MET-104S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/11/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:53

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M104S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	2.11	4.85	mg/kg	250
01994	PCB-1221	11104-28-2	N.D.	0.941	4.85	mg/kg	250
01995	PCB-1232	11141-16-5	N.D.	1.37	4.85	mg/kg	250
01996	PCB-1242	53469-21-9	N.D.	0.855	4.85	mg/kg	250
01997	PCB-1248	12672-29-6	17.2	3.14	9.41	mg/kg	250
01998	PCB-1254	11097-69-1	22.8	0.941	4.85	mg/kg	250
01999	PCB-1260	11096-82-5	18.9	3.14	9.41	mg/kg	250

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, 4,4'-DDD, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	3.4	17.	mg/kg	5
01185	Phenol	108-95-2	N.D.	1.1	5.7	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	1.1	5.7	mg/kg	5
01187	1,4-Dichlorobenzene	106-64-7	N.D.	1.1	5.7	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.1	5.7	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.1	5.7	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.3	5.7	mg/kg	5
01191	Acenaphthene	83-32-9	4.0 J	1.1	5.7	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	5.7	17.	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.3	5.7	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	5.7	17.	mg/kg	5
01195	Pyrene	129-00-0	35.	1.1	5.7	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	9.1	1.1	5.7	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	1.1	5.7	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	3.4	5.7	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.1	5.7	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.1	5.7	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	23.	68.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.7	17.	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.3	5.7	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.1	5.7	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.1	5.7	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.1	5.7	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.1	5.7	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR100939

Lancaster Laboratories Sample No. SW 4582274

05-MET-104S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/11/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:53

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M104S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	1.1	5.7	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	1.1	5.7	mg/kg	5
03759	Isophorone	78-59-1	N.D.	1.1	5.7	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.1	5.7	mg/kg	5
03761	Naphthalene	91-20-3	7.4	1.1	5.7	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	2.3	5.7	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	5.7	17.	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	1.1	5.7	mg/kg	5
03765	Acenaphthylene	208-96-8	3.0 J	1.1	5.7	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	2.3	5.7	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.1	5.7	mg/kg	5
03768	Fluorene	86-73-7	6.6	1.1	5.7	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.1	5.7	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	2.3	5.7	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.1	5.7	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	3.9 J	1.1	5.7	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.1	5.7	mg/kg	5
03774	Hexachlorobenzene	118-74-1	1.3 J	1.1	5.7	mg/kg	5
03775	Phenanthrene	85-01-8	31.	1.1	5.7	mg/kg	5
03776	Anthracene	120-12-7	9.2	1.1	5.7	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	5.1 J	2.3	5.7	mg/kg	5
03778	Fluoranthene	206-44-0	29.	1.1	5.7	mg/kg	5
03779	Benzidine	92-87-5	N.D.	23.	68.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	8.3	2.3	5.7	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	17.	1.1	5.7	mg/kg	5
03782	Chrysene	218-01-9	20.	1.1	5.7	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	3.4	11.	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	53.	2.3	11.	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	2.3	5.7	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	25.	1.1	5.7	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	11.	1.1	5.7	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	19.	1.1	5.7	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	12.	1.1	5.7	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	5.1 J	1.1	5.7	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	15.	1.1	5.7	mg/kg	5

The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4582274

05-MET-104S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/11/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:53

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M104S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	1.1	5.7	mg/kg	1002
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.57	5.7	mg/kg	1002
02020	t-Butyl alcohol	75-65-0	N.D.	23.	110.	mg/kg	1002
05444	Chloromethane	74-87-3	N.D.	2.3	5.7	mg/kg	1002
05445	Vinyl Chloride	75-01-4	N.D.	1.1	5.7	mg/kg	1002
05446	Bromomethane	74-83-9	N.D.	2.3	5.7	mg/kg	1002
05447	Chloroethane	75-00-3	N.D.	2.3	5.7	mg/kg	1002
05448	Trichlorofluoromethane	75-69-4	N.D.	2.3	5.7	mg/kg	1002
05449	1,1-Dichloroethene	75-35-4	N.D.	1.1	5.7	mg/kg	1002
05450	Methylene Chloride	75-09-2	N.D.	2.3	5.7	mg/kg	1002
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	1.1	5.7	mg/kg	1002
05452	1,1-Dichloroethane	75-34-3	N.D.	1.1	5.7	mg/kg	1002
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	1.1	5.7	mg/kg	1002
05455	Chloroform	67-66-3	N.D.	1.1	5.7	mg/kg	1002
05457	1,1,1-Trichloroethane	71-55-6	N.D.	1.1	5.7	mg/kg	1002
05458	Carbon Tetrachloride	56-23-5	N.D.	1.1	5.7	mg/kg	1002
05460	Benzene	71-43-2	N.D.	0.57	5.7	mg/kg	1002
05461	1,2-Dichloroethane	107-06-2	N.D.	1.1	5.7	mg/kg	1002
05462	Trichloroethene	79-01-6	N.D.	1.1	5.7	mg/kg	1002
05463	1,2-Dichloropropane	78-87-5	N.D.	1.1	5.7	mg/kg	1002
05465	Bromodichloromethane	75-27-4	N.D.	1.1	5.7	mg/kg	1002
05466	Toluene	108-88-3	6.6	1.1	5.7	mg/kg	1002
05467	1,1,2-Trichloroethane	79-00-5	N.D.	1.1	5.7	mg/kg	1002
05468	Tetrachloroethene	127-18-4	N.D.	1.1	5.7	mg/kg	1002
05470	Dibromochloromethane	124-48-1	N.D.	1.1	5.7	mg/kg	1002
05472	Chlorobenzene	108-90-7	N.D.	1.1	5.7	mg/kg	1002
05474	Ethylbenzene	100-41-4	40.	1.1	5.7	mg/kg	1002
05478	Bromoform	75-25-2	N.D.	1.1	5.7	mg/kg	1002
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.1	5.7	mg/kg	1002

\*=This limit was used in the evaluation of the final result

AR100941



Lancaster Laboratories Sample No. SW 4582274

05-MET-104S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/11/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:53

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M104S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.1	5.7	mg/kg	1002
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.1	5.7	mg/kg	1002
06301	Xylene (Total)	1330-20-7	270.	1.1	5.7	mg/kg	1002
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.3	11.	mg/kg	1002
07586	Acrolein	107-02-8	N.D.	23.	110.	mg/kg	1002
07587	Acrylonitrile	107-13-1	N.D.	4.6	23.	mg/kg	1002

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 10:17	[REDACTED]	5
06925	Thallium	SW-846 6010B	1	08/18/2005 16:51	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 16:51	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 16:51	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/18/2005 16:51	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/18/2005 16:51	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 14:28	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 16:51	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/18/2005 16:51	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 14:28	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/18/2005 16:51	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100942

Lancaster Laboratories Sample No. SW 4582274

05-MET-104S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/11/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:53

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## M104S

06966	Silver	SW-846 6010B	1	08/18/2005 16:51	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/18/2005 16:51	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:17	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/18/2005 13:34	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 11:48	[REDACTED]	250
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 22:36	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 01:20	[REDACTED]	1002
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 01:20	[REDACTED]	1002
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:41	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:06	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4582274  
 Sample wt/vol: 4.99 (g/mL) g      Lab File ID: HP07536.i/05aug16a.b/qg16s38.d  
 Level: (low/med) MED      Date Received: 08/11/05  
 % Moisture: not dec. 12      Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP      Dilution Factor: 1002.  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	12.64	23.	J
2.	!Unknown aromatic	12.92	16.	J
3.	!Unknown	13.11	8.7	J
4.	!Unknown aromatic	13.24	8.7	J
5.	!Unknown aromatic	13.42	8.5	J
6.	!Unknown alkane	13.48	18.	J
7.	!Unknown aromatic	13.64	7.6	J
8.	!Unknown aromatic	13.69	7.7	J
9.	!Unknown aromatic	13.79	7.4	J
10.	!Unknown aromatic	14.00	7.3	J
11.	!Unknown alkane	14.21	8.2	J
12.	!Unknown aromatic	14.29	8.0	J
13.	!Unknown	15.24	9.0	J
14.	!Unknown aromatic	15.54	7.9	J
15.	!Unknown aromatic	15.69	9.0	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100944

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582274  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0480.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 12 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.198	48	JAB
2.	Unknown	2.555	49	J
3.	Benzene, 1,2,4-trimethyl-	3.360	51	JX
4.	Benzene, 1-methyl-3-(1-methy	3.582	62	JX
5.	Benzene, 1,3-diethyl-	3.729	47	JX
6.	Unknown Alkane	9.195	53	J
7.	Unknown	9.521	43	J
8.	Unknown Alkane	9.638	57	J
9.	Unknown Alkane	9.773	43	J
10.	Unknown Alkane	9.835	49	J
11.	Unknown Alkane	9.896	43	J
12.	Unknown Alkane	9.976	57	J
13.	Unknown Alkane	10.044	73	J
14.	Unknown	10.161	75	J
15.	Unknown	10.278	73	J
16.	Unknown	10.357	42	J
17.	Unknown Alkane	10.573	89	J
18.	Unknown Alkane	10.659	76	J
19.	Unknown	10.733	72	J
20.	Unknown Alkane	10.831	68	J
21.	Unknown	10.905	71	J
22.	Unknown Alkane	11.034	75	J
23.	Unknown	11.114	110	J
24.	Unknown	11.372	68	J
25.	Unknown Alkane	11.661	67	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100945

Lancaster Laboratories Sample No. SW 4582275

05-MET-103V Grab Soil Sample

N(18.5'-19')

Former Metro Container Investigation

Collected: 08/11/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:53

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M103V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0033	0.124	mg/kg	1
06925	Thallium	7440-28-0	4.18	1.23	2.56	mg/kg	1
06935	Arsenic	7440-38-2	1.14 J	0.857	2.56	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.23	2.56	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.05	2.56	mg/kg	1
06947	Beryllium	7440-41-7	0.846	0.0550	0.639	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.110	0.639	mg/kg	1
06951	Chromium	7440-47-3	447.	0.678	1.92	mg/kg	1
06953	Copper	7440-50-8	6.40	0.384	1.28	mg/kg	1
06955	Lead	7439-92-1	3.47	0.997	2.56	mg/kg	1
06961	Nickel	7440-02-0	144.	0.422	1.28	mg/kg	1
06966	Silver	7440-22-4	0.657	0.243	0.639	mg/kg	1
06972	Zinc	7440-66-6	84.9	0.588	2.56	mg/kg	1
00111	Moisture	n.a.	24.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.66	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000226	0.00110	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000226	0.00110	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000226	0.00110	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000439	0.00226	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000439	0.00226	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000439	0.00226	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00226	0.0110	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000226	0.00110	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000226	0.00110	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000279	0.00110	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000226	0.00110	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.00104	0.00226	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.00137	0.00226	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00532	0.0226	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0146	0.0439	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000226	0.00110	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000439	0.00226	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000439	0.00226	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000439	0.00226	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100946

**Lancaster Laboratories Sample No. SW 4582275**
**05-MET-103V Grab Soil Sample**
**N(18.5'-19')**
**Former Metro Container Investigation**

Collected: 08/11/2005 08:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:53

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M103V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00984	0.0226	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00439	0.0226	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00638	0.0226	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00399	0.0226	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0146	0.0439	mg/kg	1
01998	PCB-1254	11097-69-1	0.0148 J	0.00439	0.0226	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0146	0.0439	mg/kg	1

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and 4,4'-DDD .

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.66	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.044	0.22	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.044	0.22	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.044	0.22	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.044	0.22	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.044	0.22	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.089	0.22	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.044	0.22	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.22	0.66	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.089	0.22	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.22	0.66	mg/kg	1
01195	Pyrene	129-00-0	0.056 J	0.044	0.22	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.044	0.22	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.044	0.22	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.22	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.044	0.22	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.044	0.22	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.89	2.7	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.22	0.66	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.089	0.22	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.044	0.22	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.044	0.22	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.044	0.22	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.044	0.22	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.044	0.22	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.044	0.22	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.044	0.22	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100947

Lancaster Laboratories Sample No. SW 4582275

05-MET-103V Grab Soil Sample

N(18.5'-19')

Former Metro Container Investigation

Collected: 08/11/2005 08:00

by █

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:53

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M103V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.044	0.22	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.044	0.22	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.089	0.22	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.22	0.66	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.044	0.22	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.044	0.22	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.089	0.22	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.044	0.22	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.044	0.22	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.044	0.22	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.089	0.22	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.044	0.22	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.044	0.22	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.044	0.22	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.044	0.22	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.044	0.22	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.044	0.22	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.089	0.22	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.044	0.22	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.89	2.7	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.089	0.22	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.054 J	0.044	0.22	mg/kg	1
03782	Chrysene	218-01-9	0.052 J	0.044	0.22	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.44	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.089	0.44	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.089	0.22	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.044	0.22	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.044	0.22	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.063 J	0.044	0.22	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.044	0.22	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.044	0.22	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.071 J	0.044	0.22	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.95
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR100948



Lancaster Laboratories Sample No. SW 4582275

05-MET-103V Grab Soil Sample  
N(18.5'-19')  
Former Metro Container Investigation

Collected: 08/11/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 09/01/2005 at 08:53  
Discard: 10/02/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M103V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	0.0007 J	0.0006	0.006	mg/kg	0.95
02020	t-Butyl alcohol	75-65-0	N.D.	0.025	0.13	mg/kg	0.95
05444	Chloromethane	74-87-3	N.D.	0.003	0.006	mg/kg	0.95
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.95
05446	Bromomethane	74-83-9	N.D.	0.003	0.006	mg/kg	0.95
05447	Chloroethane	75-00-3	N.D.	0.003	0.006	mg/kg	0.95
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.006	mg/kg	0.95
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.95
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.006	mg/kg	0.95
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.95
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.95
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.95
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.95
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.95
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.95
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.95
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.95
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.95
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.95
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.95
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.95
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.95
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.95
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.95
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.95
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.95
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.95
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.95
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.95
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.95
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.95
07586	Acrolein	107-02-8	N.D.	0.025	0.13	mg/kg	0.95
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.025	mg/kg	0.95

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR100949

Lancaster Laboratories Sample No. SW 4582275

05-MET-103V Grab Soil Sample

N(18.5'-19')

Former Metro Container Investigation

Collected: 08/11/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:53

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M103V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 08:46	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/18/2005 16:55	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 16:55	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 16:55	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/18/2005 16:55	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/18/2005 16:55	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 14:33	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 16:55	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/18/2005 16:55	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 14:33	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/18/2005 16:55	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 16:55	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/18/2005 16:55	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:18	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/18/2005 14:08	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 12:08	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 11:04	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 22:07	[REDACTED]	0.95
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 22:07	[REDACTED]	0.95
00381	BNA Soil Extraction	SW-846 3550B	2	08/16/2005 15:35	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100950

**Lancaster Laboratories Sample No. SW 4582275****05-MET-103V Grab Soil Sample****N(18.5'-19')****Former Metro Container Investigation**

Collected: 08/11/2005 08:00

by

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:53

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M103V

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:43		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:07		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! M103V !
Matrix: (soil/water) SOIL	SAS No.: _____	! _____ !
Sample wt/vol: 5.26 (g/mL) g	Lab Sample ID: 4582275	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09193.i/05aug15a.b/xg15s14.d	
% Moisture: not dec. 25	Date Received: 08/11/05	
Column: (pack/cap) CAP	Date Analyzed: 08/15/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 7446-09-5	Sulfur dioxide	2.10	0.004	J
2. 75-15-0	Carbon disulfide	3.87	0.20	J
3.	Unknown siloxane	10.24	0.01	J B
4.	Unknown siloxane	12.26	0.029	J B
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100952

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582275  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0558.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 25 Decanted: (Y/N)                      Date Extracted: 08/16/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 7 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.142	22	JAB
2.10544-50-0	Cyclic octaatomic sulfur	8.137	3.2	J
3.	Benz[a]anthracene, 1-methyl-	9.607	.24	JX
4.	Unknown Alkane	9.809	.19	J
5.	Benzo[c]phenanthrene, 5,8-di	9.957	.26	JX
6.	Unknown Amide	10.025	1.1	J
7.	Unknown	10.105	.27	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100953

**Lancaster Laboratories Sample No. SW 4582276**

**05-MET-119 Grab Soil Sample**

**N(5-5.5)**

**Former Metro Container Investigation**

Collected: 08/11/2005 08:20

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:54

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-119

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.173	0.0044	0.166	mg/kg	1
06925	Thallium	7440-28-0	5.17	1.58	3.29	mg/kg	1
06935	Arsenic	7440-38-2	92.1	1.10	3.29	mg/kg	1
06936	Selenium	7782-49-2	2.60 J	1.58	3.29	mg/kg	1
06944	Antimony	7440-36-0	2.07 J	1.35	3.29	mg/kg	1
06947	Beryllium	7440-41-7	0.133 J	0.0706	0.821	mg/kg	1
06949	Cadmium	7440-43-9	7.46	0.141	0.821	mg/kg	1
06951	Chromium	7440-47-3	63.8	0.871	2.46	mg/kg	1
06953	Copper	7440-50-8	1,790.	0.493	1.64	mg/kg	1
06955	Lead	7439-92-1	94.0	1.28	3.29	mg/kg	1
06961	Nickel	7440-02-0	228.	0.542	1.64	mg/kg	1
06966	Silver	7440-22-4	0.577 J	0.312	0.821	mg/kg	1
06972	Zinc	7440-66-6	583.	0.756	3.29	mg/kg	1
00111	Moisture	n.a.	40.9	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.30	0.83	mg/kg	1
05912	Phenols	n.a.	2.8 J	2.0	5.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.288	1.40	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.288	1.40	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.288	1.40	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.558	2.88	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	0.558	2.88	mg/kg	1000
01223	Endrin	72-20-8	N.D.	0.558	2.88	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	2.88	14.0	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.288	1.40	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.288	1.40	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.355	1.40	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.288	1.40	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	0.558	2.88	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	0.558	2.88	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	6.77	28.8	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	18.6	55.8	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.288	1.40	mg/kg	1000
01990	Endosulfan II	33213-65-9	1.11 J	0.558	2.88	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.558	2.88	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	0.569 J	0.558	2.88	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR100954

**Lancaster Laboratories Sample No. SW 4582276**

**05-MET-119 Grab Soil Sample**

**N(5-5.5)**

**Former Metro Container Investigation**

Collected: 08/11/2005 08:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:54

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-119

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	12.5	28.8	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	5.58	28.8	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	8.12	28.8	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	5.08	28.8	mg/kg	1000
01997	PCB-1248	12672-29-6	N.D.	18.6	55.8	mg/kg	1000
01998	PCB-1254	11097-69-1	N.D.	5.58	28.8	mg/kg	1000
01999	PCB-1260	11096-82-5	N.D.	18.6	55.8	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	51.	250.	mg/kg	10
01185	Phenol	108-95-2	N.D.	17.	85.	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	17.	85.	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	17.	85.	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	17.	85.	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	17.	85.	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	34.	85.	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	17.	85.	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	85.	250.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	34.	85.	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	85.	250.	mg/kg	10
01195	Pyrene	129-00-0	760.	17.	85.	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	17.	85.	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	17.	85.	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	51.	85.	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	17.	85.	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	17.	85.	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	340.	1,000.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	85.	250.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	34.	85.	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	17.	85.	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	17.	85.	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	17.	85.	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	17.	85.	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	17.	85.	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	17.	85.	mg/kg	10
03759	Isophorone	78-59-1	N.D.	17.	85.	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR100955



Lancaster Laboratories Sample No. SW 4582276

05-MET-119 Grab Soil Sample

N(5-5.5)

Former Metro Container Investigation

Collected: 08/11/2005 08:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:54

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-119

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	17.	85.	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	17.	85.	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	34.	85.	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	85.	250.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	17.	85.	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	17.	85.	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	34.	85.	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	17.	85.	mg/kg	10
03768	Fluorene	86-73-7	N.D.	17.	85.	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	17.	85.	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	34.	85.	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	17.	85.	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	17.	85.	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	17.	85.	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	17.	85.	mg/kg	10
03775	Phenanthrene	85-01-8	150.	17.	85.	mg/kg	10
03776	Anthracene	120-12-7	39. J	17.	85.	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	34.	85.	mg/kg	10
03778	Fluoranthene	206-44-0	77. J	17.	85.	mg/kg	10
03779	Benzidine	92-87-5	N.D.	340.	1,000.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	34.	85.	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	580.	17.	85.	mg/kg	10
03782	Chrysene	218-01-9	780.	17.	85.	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	51.	170.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	34.	170.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	34.	85.	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	210.	17.	85.	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	61. J	17.	85.	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	520.	17.	85.	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	97.	17.	85.	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	160.	17.	85.	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	270.	17.	85.	mg/kg	10

The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR100956

**Lancaster Laboratories Sample No. SW 4582276**

**05-MET-119 Grab Soil Sample**

**N(5-5.5)**

**Former Metro Container Investigation**

Collected: 08/11/2005 08:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:54

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-119

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.011	mg/kg	1.28
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.011	mg/kg	1.28
02020	t-Butyl alcohol	75-65-0	0.093 J	0.043	0.22	mg/kg	1.28
05444	Chloromethane	74-87-3	N.D.	0.004	0.011	mg/kg	1.28
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.011	mg/kg	1.28
05446	Bromomethane	74-83-9	N.D.	0.004	0.011	mg/kg	1.28
05447	Chloroethane	75-00-3	N.D.	0.004	0.011	mg/kg	1.28
05448	Trichlorofluoromethane	75-69-4	N.D.	0.004	0.011	mg/kg	1.28
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.011	mg/kg	1.28
05450	Methylene Chloride	75-09-2	0.13	0.004	0.011	mg/kg	1.28
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.011	mg/kg	1.28
05452	1,1-Dichloroethane	75-34-3	0.007 J	0.002	0.011	mg/kg	1.28
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.011	mg/kg	1.28
05455	Chloroform	67-66-3	0.003 J	0.002	0.011	mg/kg	1.28
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.011	mg/kg	1.28
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.011	mg/kg	1.28
05460	Benzene	71-43-2	0.030	0.001	0.011	mg/kg	1.28
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.011	mg/kg	1.28
05462	Trichloroethene	79-01-6	0.002 J	0.002	0.011	mg/kg	1.28
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.011	mg/kg	1.28
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.011	mg/kg	1.28
05466	Toluene	108-88-3	0.041	0.002	0.011	mg/kg	1.28
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.011	mg/kg	1.28
05468	Tetrachloroethene	127-18-4	0.003 J	0.002	0.011	mg/kg	1.28
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.011	mg/kg	1.28
05472	Chlorobenzene	108-90-7	0.002 J	0.002	0.011	mg/kg	1.28
05474	Ethylbenzene	100-41-4	0.003 J	0.002	0.011	mg/kg	1.28
05478	Bromoform	75-25-2	N.D.	0.002	0.011	mg/kg	1.28
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.011	mg/kg	1.28
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.011	mg/kg	1.28
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.011	mg/kg	1.28
06301	Xylene (Total)	1330-20-7	0.009 J	0.002	0.011	mg/kg	1.28

\*=This limit was used in the evaluation of the final result

AR100957

Lancaster Laboratories Sample No. SW 4582276

05-MET-119 Grab Soil Sample

N(5-5.5)

Former Metro Container Investigation

Collected: 08/11/2005 08:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:54

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-119

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07586	Acrolein	107-02-8	N.D.	0.043	0.22	mg/kg	1.28
07587	Acrylonitrile	107-13-1	N.D.	0.009	0.043	mg/kg	1.28

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The GC/MS volatile internal standard peak areas were outside the QC limits. Also, a surrogate recovery was outside of QC limits. Because only one sample vial was prepared for the low level analysis, the analysis could not be repeated.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 08:48	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/22/2005 01:42	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 17:10	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 17:10	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/18/2005 17:10	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/18/2005 17:10	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 14:47	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 17:10	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/18/2005 17:10	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 14:47	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/18/2005 17:10	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100958

**Lancaster Laboratories Sample No. SW 4582276**

**05-MET-119 Grab Soil Sample**

**N(5-5.5)**

**Former Metro Container Investigation**

Collected: 08/11/2005 08:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:54

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-119

06966	Silver	SW-846 6010B	1	08/18/2005 17:10	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/18/2005 17:10	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:19	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/18/2005 13:37	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 12:29	[REDACTED]	1000
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 22:57	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 22:30	[REDACTED]	1.28
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 22:30	[REDACTED]	1.28
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:44	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:08	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4582276  
 Sample wt/vol: 3.91 (g/mL) g      Lab File ID: HP09193.i/05aug15a.b/xg15s15.d  
 Level: (low/med) LOW      Date Received: 08/11/05  
 % Moisture: not dec. 41      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.96	3.4	J
2. 67-64-1	Acetone	3.58	0.048	J
3.	Unknown	3.90	47	J
4. 108-10-1	Methyl Isobutyl Ketone	9.57	0.045	J
5.	Unknown	12.25	0.035	J
6.	Unknown alkane	12.46	0.07	J
7.	Unknown alkane	12.68	0.078	J
8.	Unknown alkane	12.72	0.031	J
9.	Unknown alkane	12.80	0.037	J
10.	Unknown alkane	12.85	0.035	J
11.	Unknown alkane	12.91	0.088	J
12.	Unknown aromatic	12.98	0.048	J
13.	Unknown alkane	13.08	0.08	J
14.	Unknown alkane	13.31	0.091	J
15.	Unknown alkane	13.46	0.047	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100960

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582276  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0481.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 41 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	7.695	500	J
2.	!Unknown Alkane	7.892	390	J
3.	!Phenanthrene, 3,6-dimethyl-	8.027	290	JX
4.	!Phenanthrene, 2,3-dimethyl-	8.089	210	JX
5.	!Phenanthrene, 2,7-dimethyl-	8.132	440	JX
6.	!Unknown	8.642	250	J
7.	!Unknown	8.716	230	J
8.	!Pyrene, 4-methyl-	8.814	340	JX
9.	!Unknown Alkane	9.091	240	J
10.	!Unknown	9.515	250	J
11.	!Unknown Alkane	9.632	210	J
12.	!Benz[a]anthracene, 1-methyl-	9.700	680	JX
13.	!Benz[a]anthracene, 5-methyl-	9.798	430	JX
14.	!Unknown Alkane	9.890	440	J
15.	!Benz[a]anthracene, 1,12-dime	9.983	210	JX
16.	!Benzo[c]phenanthrene, 5,8-di	10.050	190	JX
17.	!Unknown Alkane	10.149	370	J
18.	!Unknown	10.684	240	J
19.	!Unknown	10.819	360	J
20.	!Unknown Alkane	10.899	220	J
21.	!Unknown	10.973	340	J
22.	!Unknown	11.083	360	J
23.	!Benzo[a]naphthacene	11.329	270	JX
24.	!Unknown	11.489	240	J
25.	!Unknown	11.778	200	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100961

**Lancaster Laboratories Sample No. SW 4582277**

**05-MET-124 Grab Soil Sample**

**N(10.75-11.25)**

**Former Metro Container Investigation**

Collected: 08/11/2005 08:55

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-124

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.147	0.0038	0.142	mg/kg	1
06925	Thallium	7440-28-0	10.4	1.31	2.73	mg/kg	1
06935	Arsenic	7440-38-2	8.45	0.915	2.73	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.31	2.73	mg/kg	1
06944	Antimony	7440-36-0	2.09	1.12	2.73	mg/kg	1
06947	Beryllium	7440-41-7	2.61	0.0587	0.683	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.587	3.41	mg/kg	5
06951	Chromium	7440-47-3	28.4	0.724	2.05	mg/kg	1
06953	Copper	7440-50-8	768.	0.410	1.37	mg/kg	1
06955	Lead	7439-92-1	191.	1.07	2.73	mg/kg	1
06961	Nickel	7440-02-0	51.4	0.451	1.37	mg/kg	1
06966	Silver	7440-22-4	1.24	0.260	0.683	mg/kg	1
06972	Zinc	7440-66-6	99.8	0.628	2.73	mg/kg	1
00111	Moisture	n.a.	29.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.87	0.25	0.70	mg/kg	1
05912	Phenols	n.a.	6.2	1.7	5.0	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0121	0.0589	mg/kg	50
01219	Heptachlor	76-44-8	N.D.	0.0121	0.0589	mg/kg	50
01220	Aldrin	309-00-2	N.D.	0.0121	0.0589	mg/kg	50
01221	p,p-DDT	50-29-3	N.D.	0.118	0.121	mg/kg	50
01222	Dieldrin	60-57-1	N.D.	0.0240	0.121	mg/kg	50
01223	Endrin	72-20-8	N.D.	0.0234	0.121	mg/kg	50
01859	Methoxychlor	72-43-5	N.D.	0.121	0.589	mg/kg	50
01981	Alpha BHC	319-84-6	N.D.	0.0121	0.0589	mg/kg	50
01982	Beta BHC	319-85-7	N.D.	0.0121	0.0589	mg/kg	50
01983	Delta BHC	319-86-8	N.D.	0.0149	0.0589	mg/kg	50
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0121	0.0589	mg/kg	50
01985	p,p-DDE	72-55-9	N.D.	0.0234	0.121	mg/kg	50
01986	p,p-DDD	72-54-8	N.D.	0.0234	0.121	mg/kg	50
01987	Chlordane	57-74-9	N.D.	0.284	1.21	mg/kg	50
01988	Toxaphene	8001-35-2	N.D.	0.781	2.34	mg/kg	50
01989	Endosulfan I	959-98-8	N.D.	0.0121	0.0589	mg/kg	50
01990	Endosulfan II	33213-65-9	N.D.	0.118	0.121	mg/kg	50
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0234	0.121	mg/kg	50
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0234	0.121	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR100962



Lancaster Laboratories Sample No. SW 4582277

05-MET-124 Grab Soil Sample

N(10.75-11.25)

Former Metro Container Investigation

Collected: 08/11/2005 08:55

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-124

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.526	1.21	mg/kg	50
01994	PCB-1221	11104-28-2	N.D.	0.234	1.21	mg/kg	50
01995	PCB-1232	11141-16-5	N.D.	0.341	1.21	mg/kg	50
01996	PCB-1242	53469-21-9	N.D.	0.213	1.21	mg/kg	50
01997	PCB-1248	12672-29-6	N.D.	0.781	2.34	mg/kg	50
01998	PCB-1254	11097-69-1	1.15 J	0.234	1.21	mg/kg	50
01999	PCB-1260	11096-82-5	N.D.	0.781	2.34	mg/kg	50

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for dieldrin, and endosulfan II.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	4.3	21.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.4	7.1	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.4	7.1	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.4	7.1	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.4	7.1	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.4	7.1	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.8	7.1	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	1.4	7.1	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	7.1	21.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.8	7.1	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	7.1	21.	mg/kg	10
01195	Pyrene	129-00-0	25.	1.4	7.1	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	3.2 J	1.4	7.1	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.4	7.1	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	4.3	7.1	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.4	7.1	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.4	7.1	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	28.	85.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	7.1	21.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.8	7.1	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.4	7.1	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.4	7.1	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	1.7 J	1.4	7.1	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR100963

Lancaster Laboratories Sample No. SW 4582277

05-MET-124 Grab Soil Sample

N(10.75-11.25)

Former Metro Container Investigation

Collected: 08/11/2005 08:55

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-124

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.4	7.1	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	1.4	7.1	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.4	7.1	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.4	7.1	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.4	7.1	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	1.4	7.1	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.8	7.1	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	7.1	21.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.4	7.1	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.4	7.1	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.8	7.1	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.4	7.1	mg/kg	10
03768	Fluorene	86-73-7	N.D.	1.4	7.1	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.4	7.1	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.8	7.1	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.4	7.1	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.4	7.1	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.4	7.1	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.4	7.1	mg/kg	10
03775	Phenanthrene	85-01-8	15.	1.4	7.1	mg/kg	10
03776	Anthracene	120-12-7	3.9 J	1.4	7.1	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	2.8	7.1	mg/kg	10
03778	Fluoranthene	206-44-0	5.3 J	1.4	7.1	mg/kg	10
03779	Benzidine	92-87-5	N.D.	28.	85.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.8	7.1	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	20.	1.4	7.1	mg/kg	10
03782	Chrysene	218-01-9	37.	1.4	7.1	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.3	14.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.8	14.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.8	7.1	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	9.1	1.4	7.1	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	2.3 J	1.4	7.1	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	12.	1.4	7.1	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	4.4 J	1.4	7.1	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	5.8 J	1.4	7.1	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	8.7	1.4	7.1	mg/kg	10
The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.							

\*=This limit was used in the evaluation of the final result

AR100964

Lancaster Laboratories Sample No. SW 4582277

05-MET-124 Grab Soil Sample

N(10.75-11.25)

Former Metro Container Investigation

Collected: 08/11/2005 08:55

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-124

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.91
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.91
02020	t-Butyl alcohol	75-65-0	0.16	0.026	0.13	mg/kg	0.91
05444	Chloromethane	74-87-3	N.D.	0.003	0.006	mg/kg	0.91
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.91
05446	Bromomethane	74-83-9	N.D.	0.003	0.006	mg/kg	0.91
05447	Chloroethane	75-00-3	N.D.	0.003	0.006	mg/kg	0.91
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.006	mg/kg	0.91
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.91
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.006	mg/kg	0.91
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.91
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.91
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.91
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.91
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.91
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.91
05460	Benzene	71-43-2	0.002 J	0.0006	0.006	mg/kg	0.91
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.91
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.91
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.91
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.91
05466	Toluene	108-88-3	0.004 J	0.001	0.006	mg/kg	0.91
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.91
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.91
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.91
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.91
05474	Ethylbenzene	100-41-4	0.003 J	0.001	0.006	mg/kg	0.91
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.91

\*=This limit was used in the evaluation of the final result

AR100965

Lancaster Laboratories Sample No. SW 4582277

05-MET-124 Grab Soil Sample

N(10.75-11.25)

Former Metro Container Investigation

Collected: 08/11/2005 08:55

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-124

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.91
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.91
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.91
06301	Xylene (Total)	1330-20-7	0.020	0.001	0.006	mg/kg	0.91
07586	Acrolein	107-02-8	N.D.	0.026	0.13	mg/kg	0.91
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.026	mg/kg	0.91

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

A GC/MS volatile internal standard peak area was outside the QC limits. Because only one sample vial was prepared for the low level analysis, the analysis could not be repeated.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 08:49	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/18/2005 17:14	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 17:14	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 17:14	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/18/2005 17:14	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/18/2005 17:14	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 16:24	[REDACTED]	5

\*=This limit was used in the evaluation of the final result

AR100966

**Lancaster Laboratories Sample No. SW 4582277**

**05-MET-124 Grab Soil Sample**

**N(10.75-11.25)**

**Former Metro Container Investigation**

Collected: 08/11/2005 08:55

by 

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55






















Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-124

06951	Chromium	SW-846 6010B	1	08/18/2005 17:14		1
06953	Copper	SW-846 6010B	1	08/18/2005 17:14		1
06955	Lead	SW-846 6010B	1	08/19/2005 14:52		1
06961	Nickel	SW-846 6010B	1	08/18/2005 17:14		1
06966	Silver	SW-846 6010B	1	08/18/2005 17:14		1
06972	Zinc	SW-846 6010B	1	08/18/2005 17:14		1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41		1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:20		1
05912	Phenols	SW846 9066	1	08/18/2005 13:38		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 12:49		50
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 18:11		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 23:39		0.91
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 23:39		0.91
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:46		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:09		n.a.

\*=This limit was used in the evaluation of the final result

AR100967

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4582277  
 Sample wt/vol: 5.47 (g/mL) g Lab File ID: HP09193.i/05aug15a.b/xg15s18.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: not dec. 30 Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.86	2.7	J
2. 67-64-1	Acetone	3.56	0.061	J
3. 75-15-0	Carbon disulfide	3.83	0.38	J
4. 108-87-2	Cyclohexane, methyl-	8.45	0.088	J
5.	Unknown alkane	12.46	0.18	J
6.	Unknown alkane	13.32	0.30	J
7.	Unknown alkane	14.05	0.39	J
8.	Unknown aromatic	14.12	0.082	J
9.	Unknown alkane	14.14	0.15	J
10.	Unknown alkane	14.40	0.067	J
11.	Unknown	14.44	0.084	J
12.	Unknown	14.47	0.11	J
13.	Unknown alkane	14.53	0.12	J
14.	Unknown alkane	14.69	0.29	J
15.	Unknown alkane	15.33	0.095	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100968

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582277  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0470.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 30 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	5.635	56	J
2.	!Unknown Alkane	6.072	79	J
3.	!Unknown Alkane	6.484	89	J
4.	!Unknown Alkane	6.871	70	J
5.	!Unknown Alkane	7.591	75	J
6.	!Unknown Alkane	7.929	95	J
7.	!Phenanthrene, 2,3-dimethyl-	8.132	25	JX
8.	!Unknown Alkane	8.156	36	J
9.	!Unknown Cycloalkane	8.513	460	J
10.	!Unknown Alkane	8.851	1600	J
11.	!Unknown Alkane	9.134	1900	J
12.	!Unknown Alkane	9.226	540	J
13.	!Unknown Alkane	9.405	2300	J
14.	!Benzo[b]naphtho[2,3-d]thioph	9.484	800	JX
15.	!Unknown Alkane	9.669	100	J
16.	!Benz[a]anthracene, 6-methyl-	9.761	35	JX
17.	!Unknown	9.829	42	J
18.	!Unknown Alkane	9.927	95	J
19.	!Unknown Alkane	10.185	92	J
20.	!Unknown Alkane	10.265	34	J
21.	!Unknown Alkane	10.438	86	J
22.	!Unknown Alkane	10.690	70	J
23.	!Unknown Alkane	10.936	78	J
24.	!Unknown	11.009	31	J
25.	!Unknown Alkane	11.182	64	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100969



**Lancaster Laboratories Sample No. SW 4582278**
**05-MET-093 Grab Soil Sample**
**N(6.5-7.0)**
**Former Metro Container Investigation**

Collected: 08/11/2005 10:10

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-093

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.249	0.0060	0.224	mg/kg	1
06925	Thallium	7440-28-0	4.89	2.16	4.49	mg/kg	1
06935	Arsenic	7440-38-2	9.13	1.51	4.49	mg/kg	1
06936	Selenium	7782-49-2	N.D.	2.16	4.49	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.84	4.49	mg/kg	1
06947	Beryllium	7440-41-7	0.220 J	0.0966	1.12	mg/kg	1
06949	Cadmium	7440-43-9	2.90	0.193	1.12	mg/kg	1
06951	Chromium	7440-47-3	31.8	1.19	3.37	mg/kg	1
06953	Copper	7440-50-8	28.8	0.674	2.25	mg/kg	1
06955	Lead	7439-92-1	137.	1.75	4.49	mg/kg	1
06961	Nickel	7440-02-0	19.0	0.741	2.25	mg/kg	1
06966	Silver	7440-22-4	0.443 J	0.427	1.12	mg/kg	1
06972	Zinc	7440-66-6	80.8	1.03	4.49	mg/kg	1
00111	Moisture	n.a.	57.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.41	1.1	mg/kg	1
05912	Phenols	n.a.	N.D.	2.8	8.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0119	0.0582	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.0119	0.0582	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.0119	0.0582	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.0231	0.119	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.0231	0.119	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.0231	0.119	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.119	0.582	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.0119	0.0582	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.0119	0.0582	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.0147	0.0582	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0119	0.0582	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.0231	0.119	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.0701	0.119	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.280	1.19	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.771	2.31	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.0119	0.0582	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.0231	0.119	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0231	0.119	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0231	0.119	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR100970

**Lancaster Laboratories Sample No. SW 4582278**
**05-MET-093 Grab Soil Sample**
**N(6.5-7.0)**
**Former Metro Container Investigation**

Collected: 08/11/2005 10:10

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-093

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.519	1.19	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.231	1.19	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.336	1.19	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.210	1.19	mg/kg	10
01997	PCB-1248	12672-29-6	2.80	0.771	2.31	mg/kg	10
01998	PCB-1254	11097-69-1	1.39	0.231	1.19	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.771	2.31	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDD.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.70	3.5	mg/kg	1
01185	Phenol	108-95-2	0.31 J	0.23	1.2	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.23	1.2	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.23	1.2	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.23	1.2	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.23	1.2	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.47	1.2	mg/kg	1
01191	Acenaphthene	83-32-9	0.88 J	0.23	1.2	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	1.2	3.5	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.47	1.2	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	1.2	3.5	mg/kg	1
01195	Pyrene	129-00-0	6.0	0.23	1.2	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.52 J	0.23	1.2	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.23	1.2	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.70	1.2	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.23	1.2	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.23	1.2	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.7	14.	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.2	3.5	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.47	1.2	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.23	1.2	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100971

**Lancaster Laboratories Sample No. SW 4582278**
**05-MET-093 Grab Soil Sample**
**N(6.5-7.0)**
**Former Metro Container Investigation**

Collected: 08/11/2005 10:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-093

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.23	1.2	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.23	1.2	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.23	1.2	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.23	1.2	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.23	1.2	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.23	1.2	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.23	1.2	mg/kg	1
03761	Naphthalene	91-20-3	0.65 J	0.23	1.2	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.47	1.2	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.2	3.5	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.23	1.2	mg/kg	1
03765	Acenaphthylene	208-96-8	0.48 J	0.23	1.2	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.47	1.2	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.23	1.2	mg/kg	1
03768	Fluorene	86-73-7	0.92 J	0.23	1.2	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.23	1.2	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.47	1.2	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.23	1.2	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.23	1.2	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.23	1.2	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.23	1.2	mg/kg	1
03775	Phenanthrene	85-01-8	5.2	0.23	1.2	mg/kg	1
03776	Anthracene	120-12-7	1.8	0.23	1.2	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.47	1.2	mg/kg	1
03778	Fluoranthene	206-44-0	7.2	0.23	1.2	mg/kg	1
03779	Benzidine	92-87-5	N.D.	4.7	14.	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.47	1.2	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	5.7	0.23	1.2	mg/kg	1
03782	Chrysene	218-01-9	4.8	0.23	1.2	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.70	2.3	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	3.5	0.47	2.3	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.47	1.2	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	6.7	0.23	1.2	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	3.8	0.23	1.2	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	4.0	0.23	1.2	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	3.1	0.23	1.2	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	1.1 J	0.23	1.2	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	2.7	0.23	1.2	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100972

Lancaster Laboratories Sample No. SW 4582278

05-MET-093 Grab Soil Sample

N(6.5-7.0)

Former Metro Container Investigation

Collected: 08/11/2005 10:10

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-093

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.							
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.003	0.016	mg/kg	1.35
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.002	0.016	mg/kg	1.35
02020	t-Butyl alcohol	75-65-0	N.D.	0.063	0.32	mg/kg	1.35
05444	Chloromethane	74-87-3	N.D.	0.006	0.016	mg/kg	1.35
05445	Vinyl Chloride	75-01-4	N.D.	0.003	0.016	mg/kg	1.35
05446	Bromomethane	74-83-9	N.D.	0.006	0.016	mg/kg	1.35
05447	Chloroethane	75-00-3	N.D.	0.006	0.016	mg/kg	1.35
05448	Trichlorofluoromethane	75-69-4	N.D.	0.006	0.016	mg/kg	1.35
05449	1,1-Dichloroethene	75-35-4	N.D.	0.003	0.016	mg/kg	1.35
05450	Methylene Chloride	75-09-2	N.D.	0.006	0.016	mg/kg	1.35
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.003	0.016	mg/kg	1.35
05452	1,1-Dichloroethane	75-34-3	0.007 J	0.003	0.016	mg/kg	1.35
05454	cis-1,2-Dichloroethene	156-59-2	0.031	0.003	0.016	mg/kg	1.35
05455	Chloroform	67-66-3	N.D.	0.003	0.016	mg/kg	1.35
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.003	0.016	mg/kg	1.35
05458	Carbon Tetrachloride	56-23-5	N.D.	0.003	0.016	mg/kg	1.35
05460	Benzene	71-43-2	0.009 J	0.002	0.016	mg/kg	1.35
05461	1,2-Dichloroethane	107-06-2	N.D.	0.003	0.016	mg/kg	1.35
05462	Trichloroethene	79-01-6	N.D.	0.003	0.016	mg/kg	1.35
05463	1,2-Dichloropropane	78-87-5	N.D.	0.003	0.016	mg/kg	1.35
05465	Bromodichloromethane	75-27-4	N.D.	0.003	0.016	mg/kg	1.35
05466	Toluene	108-88-3	0.004 J	0.003	0.016	mg/kg	1.35
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.003	0.016	mg/kg	1.35
05468	Tetrachloroethene	127-18-4	N.D.	0.003	0.016	mg/kg	1.35
05470	Dibromochloromethane	124-48-1	N.D.	0.003	0.016	mg/kg	1.35
05472	Chlorobenzene	108-90-7	N.D.	0.003	0.016	mg/kg	1.35
05474	Ethylbenzene	100-41-4	0.018	0.003	0.016	mg/kg	1.35
05478	Bromoform	75-25-2	N.D.	0.003	0.016	mg/kg	1.35
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.003	0.016	mg/kg	1.35
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.003	0.016	mg/kg	1.35

\*=This limit was used in the evaluation of the final result

AR100973

**Lancaster Laboratories Sample No. SW 4582278**
**05-MET-093 Grab Soil Sample**
**N(6.5-7.0)**
**Former Metro Container Investigation**

Collected: 08/11/2005 10:10

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-093

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.003	0.016	mg/kg	1.35
06301	Xylene (Total)	1330-20-7	0.018	0.003	0.016	mg/kg	1.35
07586	Acrolein	107-02-8	N.D.	0.063	0.32	mg/kg	1.35
07587	Acrylonitrile	107-13-1	N.D.	0.013	0.063	mg/kg	1.35

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

A GC/MS volatile internal standard peak area was outside the QC limits. Because only one sample vial was prepared for the low level analysis, the analysis could not be repeated.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 08:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06925	Thallium	SW-846 6010B	1	08/18/2005 17:19	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 17:19	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06936	Selenium	SW-846 6010B	1	08/18/2005 17:19	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06944	Antimony	SW-846 6010B	1	08/18/2005 17:19	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06947	Beryllium	SW-846 6010B	1	08/18/2005 17:19	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 14:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06951	Chromium	SW-846 6010B	1	08/18/2005 17:19	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06953	Copper	SW-846 6010B	1	08/18/2005 17:19	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06955	Lead	SW-846 6010B	1	08/19/2005 14:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR100974

Lancaster Laboratories Sample No. SW 4582278

05-MET-093 Grab Soil Sample

N(6.5-7.0)

Former Metro Container Investigation

Collected: 08/11/2005 10:10

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:55

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-093

06961	Nickel	SW-846 6010B	1	08/18/2005 17:19	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 17:19	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/18/2005 17:19	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:21	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/18/2005 13:42	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 13:10	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 18:32	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 22:53	[REDACTED]	1.35
07584	PPL Volatiles	SW-846 8260B	1	08/15/2005 22:53	[REDACTED]	1.35
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:48	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:10	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4582278  
 Sample wt/vol: 3.7 (g/mL) g      Lab File ID: HP09193.i/05aug15a.b/xg15s16.d  
 Level: (low/med) LOW      Date Received: 08/11/05  
 % Moisture: not dec. 57      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.97	7.4	J
2.	!Unknown	3.86	390	J
3.	!Unknown alkane	12.46	0.15	J
4.	!Unknown alkane	12.68	0.17	J
5.	!Unknown alicyclic	12.93	0.17	J
6.	!Unknown alkane	12.98	0.088	J
7.	!Unknown alkane	13.09	0.11	J
8.	!Unknown alkane	13.32	0.20	J
9.	!Unknown aromatic	13.39	0.094	J
10.	!Unknown aliphatic	13.46	0.14	J
11. 99-87-6	!Benzene, 1-methyl-4-(1-meth	13.52	0.10	J
12.	!Unknown aromatic	13.74	0.11	J
13.	!Unknown alkane	14.05	0.15	J
14.	!Unknown alkane	14.14	0.17	J
15.	!Unknown alkane	14.53	0.11	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100976



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582278  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0471.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 57 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.254	140	JAB
2.	Pyrene, 1-methyl-	8.697	2.2	JX
3.	Unknown	8.777	1.7	J
4.	Unknown	8.845	1.8	J
5.	o-Terphenyl	9.048	1.7	JX
6.	Unknown	9.109	3.5	J
7.	Unknown	9.195	1.7	J
8.	Unknown	9.226	2.3	J
9.	Unknown	9.281	1.7	J
10.	Unknown	9.521	1.6	J
11.	Unknown Cycloalkane	9.546	1.6	J
12.	Chrysene, 1-methyl-	9.730	2.7	JX
13.	Chrysene, 2-methyl-	9.755	1.6	JX
14.	Unknown Alkane	9.798	1.9	J
15.	Benz[a]anthracene, 5-methyl-	9.835	2.6	JX
16.	Unknown Alkane	10.001	5.1	J
17.	Unknown	10.118	3.3	J
18.	Unknown	10.204	4.7	J
19.	Unknown	10.259	5.4	J
20.	Benz[e]acephenanthrylene	10.314	3.0	JX
21.	Perylene	10.444	5.0	JX
22.	Unknown	10.597	4.0	J
23.	Unknown	10.849	3.3	J
24.	Unknown	10.935	3.8	J
25.	Unknown	11.144	3.5	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100977

Lancaster Laboratories Sample No. SW 4582279

05-MET-094 Grab Soil Sample

N(5.5-6.0)

Former Metro Container Investigation

Collected: 08/11/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-094

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.291	0.0048	0.178	mg/kg	1
06925	Thallium	7440-28-0	5.75	1.75	3.66	mg/kg	1
06935	Arsenic	7440-38-2	56.6	1.22	3.66	mg/kg	1
06936	Selenium	7782-49-2	5.93	1.75	3.66	mg/kg	1
06944	Antimony	7440-36-0	1.62 J	1.50	3.66	mg/kg	1
06947	Beryllium	7440-41-7	0.508 J	0.0786	0.914	mg/kg	1
06949	Cadmium	7440-43-9	0.207 J	0.157	0.914	mg/kg	1
06951	Chromium	7440-47-3	32.1	0.969	2.74	mg/kg	1
06953	Copper	7440-50-8	94.8	0.548	1.83	mg/kg	1
06955	Lead	7439-92-1	116.	1.43	3.66	mg/kg	1
06961	Nickel	7440-02-0	27.2	0.603	1.83	mg/kg	1
06966	Silver	7440-22-4	0.464 J	0.347	0.914	mg/kg	1
06972	Zinc	7440-66-6	170.	0.841	3.66	mg/kg	1
00111	Moisture	n.a.	47.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.34	0.93	mg/kg	1
05912	Phenols	n.a.	4.3 J	2.3	6.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00970	0.0473	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00970	0.0473	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00970	0.0473	mg/kg	10
01221	p,p-DDT	50-29-3	0.0262 J	0.0188	0.0970	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.0188	0.0970	mg/kg	10
01223	Endrin	72-20-8	0.0219 J	0.0188	0.0970	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0970	0.473	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00970	0.0473	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00970	0.0473	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.0120	0.0473	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00970	0.0473	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.0188	0.0970	mg/kg	10
01986	p,p-DDD	72-54-8	0.191	0.0188	0.0970	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.228	0.970	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.627	1.88	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00970	0.0473	mg/kg	10
01990	Endosulfan II	33213-65-9	0.0325 J	0.0188	0.0970	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0188	0.0970	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	0.0320 J	0.0188	0.0970	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR100978

**Lancaster Laboratories Sample No. SW 4582279**
**05-MET-094 Grab Soil Sample**
**N(5.5-6.0)**
**Former Metro Container Investigation**

Collected: 08/11/2005 10:40

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-094

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.422	0.970	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.188	0.970	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.274	0.970	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.171	0.970	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.627	1.88	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.188	0.970	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.627	1.88	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	2.9	14.	mg/kg	1
01185	Phenol	108-95-2	1.9	J 0.95	4.8	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.95	4.8	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.95	4.8	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.95	4.8	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.95	4.8	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	1.9	4.8	mg/kg	1
01191	Acenaphthene	83-32-9	17.	0.95	4.8	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	4.8	14.	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	1.9	4.8	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	4.8	14.	mg/kg	1
01195	Pyrene	129-00-0	78.	0.95	4.8	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	5.3	0.95	4.8	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.95	4.8	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	2.9	4.8	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.95	4.8	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.95	4.8	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	4.8	14.	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	1.9	4.8	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.95	4.8	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.95	4.8	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.95	4.8	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.95	4.8	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.95	4.8	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.95	4.8	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.95	4.8	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR100979

Lancaster Laboratories Sample No. SW 4582279

05-MET-094 Grab Soil Sample

N(5.5-6.0)

Former Metro Container Investigation

Collected: 08/11/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-094

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.95	4.8	mg/kg	1
03761	Naphthalene	91-20-3	5.0	0.95	4.8	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	1.9	4.8	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	4.8	14.	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.95	4.8	mg/kg	1
03765	Acenaphthylene	208-96-8	8.8	0.95	4.8	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	1.9	4.8	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.95	4.8	mg/kg	1
03768	Fluorene	86-73-7	31.	0.95	4.8	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.95	4.8	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	1.9	4.8	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.95	4.8	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.95	4.8	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.95	4.8	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.95	4.8	mg/kg	1
03775	Phenanthrene	85-01-8	87.	0.95	4.8	mg/kg	1
03776	Anthracene	120-12-7	35.	0.95	4.8	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	1.9	4.8	mg/kg	1
03778	Fluoranthene	206-44-0	93.	0.95	4.8	mg/kg	1
03779	Benzidine	92-87-5	N.D.	19.	57.	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	1.9	4.8	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	71.	0.95	4.8	mg/kg	1
03782	Chrysene	218-01-9	53.	0.95	4.8	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.9	9.5	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.9	9.5	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	1.9	4.8	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	70.	0.95	4.8	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	38.	0.95	4.8	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	51.	0.95	4.8	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	32.	0.95	4.8	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	12.	0.95	4.8	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	26.	0.95	4.8	mg/kg	1

The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. SW 4582279**
**05-MET-094 Grab Soil Sample**
**N(5.5-6.0)**
**Former Metro Container Investigation**

Collected: 08/11/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-094

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.012	mg/kg	1.26
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.012	mg/kg	1.26
02020	t-Butyl alcohol	75-65-0	N.D.	0.048	0.24	mg/kg	1.26
05444	Chloromethane	74-87-3	N.D.	0.005	0.012	mg/kg	1.26
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.012	mg/kg	1.26
05446	Bromomethane	74-83-9	N.D.	0.005	0.012	mg/kg	1.26
05447	Chloroethane	75-00-3	N.D.	0.005	0.012	mg/kg	1.26
05448	Trichlorofluoromethane	75-69-4	N.D.	0.005	0.012	mg/kg	1.26
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.012	mg/kg	1.26
05450	Methylene Chloride	75-09-2	N.D.	0.005	0.012	mg/kg	1.26
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.012	mg/kg	1.26
05452	1,1-Dichloroethane	75-34-3	0.004 J	0.002	0.012	mg/kg	1.26
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.012	mg/kg	1.26
05455	Chloroform	67-66-3	N.D.	0.002	0.012	mg/kg	1.26
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.012	mg/kg	1.26
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.012	mg/kg	1.26
05460	Benzene	71-43-2	0.009 J	0.001	0.012	mg/kg	1.26
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.012	mg/kg	1.26
05462	Trichloroethene	79-01-6	N.D.	0.002	0.012	mg/kg	1.26
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.012	mg/kg	1.26
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.012	mg/kg	1.26
05466	Toluene	108-88-3	0.003 J	0.002	0.012	mg/kg	1.26
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.012	mg/kg	1.26
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.012	mg/kg	1.26
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.012	mg/kg	1.26
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.012	mg/kg	1.26
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.012	mg/kg	1.26
05478	Bromoform	75-25-2	N.D.	0.002	0.012	mg/kg	1.26
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.012	mg/kg	1.26
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.012	mg/kg	1.26
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.012	mg/kg	1.26
06301	Xylene (Total)	1330-20-7	0.007 J	0.002	0.012	mg/kg	1.26
07586	Acrolein	107-02-8	N.D.	0.048	0.24	mg/kg	1.26
07587	Acrylonitrile	107-13-1	N.D.	0.01	0.048	mg/kg	1.26

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

AR100981

Lancaster Laboratories Sample No. SW 4582279

05-MET-094 Grab Soil Sample

N(5.5-6.0)

Former Metro Container Investigation

Collected: 08/11/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-094

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 08:52	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/18/2005 17:24	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 17:24	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 17:24	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/18/2005 17:24	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/18/2005 17:24	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 15:02	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 17:24	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/18/2005 17:24	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 15:02	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/18/2005 17:24	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 17:24	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/18/2005 17:24	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/15/2005 19:22	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/18/2005 13:43	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 13:30	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 18:53	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 16:14	[REDACTED]	1.26
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 16:14	[REDACTED]	1.26

\*=This limit was used in the evaluation of the final result

AR100982

**Lancaster Laboratories Sample No. SW 4582279**

**05-MET-094 Grab Soil Sample**

**N(5.5-6.0)**

**Former Metro Container Investigation**

Collected: 08/11/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-094

00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/15/2005 09:30	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:49	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:11	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4582279  
 Sample wt/vol: 3.96 (g/mL) g      Lab File ID: HP09193.i/05aug17a.b/xg17s07.d  
 Level: (low/med) LOW      Date Received: 08/11/05  
 % Moisture: not dec. 47      Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 11

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.97	0.82	J
2. 75-15-0	Carbon disulfide	3.88	3.9	J
3.	Unknown siloxane	12.26	0.046	J
4.	Unknown aromatic	12.47	0.015	J
5.	Unknown alkane	12.91	0.024	J
6.	Unknown alkane	13.08	0.031	J
7.	Unknown aromatic	13.83	0.02	J
8.	Unknown aromatic	14.12	0.013	J
9. 91-20-3	Naphthalene	14.57	0.013	J
10. 91-57-6	Naphthalene, 2-methyl-	15.34	0.013	J
11.	Unknown aromatic	15.49	0.03	J
12.				
13.				
14.				
15.				
16.				
17.				
18.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100984

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582279  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0472.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 47 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.235	89	JAB
2.	Phenanthrene, 2-methyl-	7.671	8.0	JX
3.	Anthracene, 2-methyl-	7.695	12	JX
4.	Anthracene, 9-methyl-	7.732	7.8	JX
5.	Unknown	7.757	16	J
6.	Anthracene, 1-methyl-	7.775	9.1	JX
7.	Anthracene, 1,4-dimethyl-	8.126	9.9	JX
8.	Unknown	8.150	8.3	J
9.	Unknown	8.691	8.8	J
10.	7H-Benzo[c]fluorene	8.704	14	JX
11.	11H-Benzo[a]fluorene	8.759	14	JX
12.	Pyrene, 2-methyl-	8.784	11	JX
13.	Unknown	9.109	12	J
14.	Unknown	9.226	8.4	J
15.	Benzo[c]phenanthrene	9.485	11	JX
16.	11H-Benzo[a]carbazole	9.577	7.6	JX
17.	Chrysene, 3-methyl-	9.737	13	JX
18.	Unknown	9.841	11	J
19.	Benzo[a]pyrene	10.321	19	JX
20.	Anthracene, 9-phenyl-	10.425	21	JX
21.	Benzo[e]pyrene	10.444	24	JX
22.	Unknown	10.665	31	J
23.	Unknown	11.145	19	J
24.	Unknown	11.212	19	J
25.	Benzo[ghi]perylene	11.594	26	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100985

**Lancaster Laboratories Sample No. SW 4582280**

**05-MET-087 Grab Soil Sample**

**N(4-4.5)**

**Former Metro Container Investigation**

Collected: 08/11/2005 11:20

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-087

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.351	0.0035	0.132	mg/kg	1
06925	Thallium	7440-28-0	3.71	1.25	2.61	mg/kg	1
06935	Arsenic	7440-38-2	21.1	0.875	2.61	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.25	2.61	mg/kg	1
06944	Antimony	7440-36-0	1.15 J	1.07	2.61	mg/kg	1
06947	Beryllium	7440-41-7	0.376 J	0.0562	0.653	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.112	0.653	mg/kg	1
06951	Chromium	7440-47-3	31.5	0.692	1.96	mg/kg	1
06953	Copper	7440-50-8	49.7	0.392	1.31	mg/kg	1
06955	Lead	7439-92-1	146.	1.02	2.61	mg/kg	1
06961	Nickel	7440-02-0	19.1	0.431	1.31	mg/kg	1
06966	Silver	7440-22-4	0.426 J	0.248	0.653	mg/kg	1
06972	Zinc	7440-66-6	76.2	0.601	2.61	mg/kg	1
00111	Moisture	n.a.	26.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	3.4	0.25	0.69	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.7	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00462	0.0226	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00462	0.0226	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00462	0.0226	mg/kg	20
01221	p,p-DDT	50-29-3	0.0430 J	0.00897	0.0462	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00897	0.0462	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00897	0.0462	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0462	0.226	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00462	0.0226	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00462	0.0226	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00571	0.0226	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00462	0.0226	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00897	0.0462	mg/kg	20
01986	p,p-DDD	72-54-8	0.0156 J	0.00897	0.0462	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.109	0.462	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.299	0.897	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00462	0.0226	mg/kg	20
01990	Endosulfan II	33213-65-9	0.00970 J	0.00897	0.0462	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00897	0.0462	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	0.0109 J	0.00897	0.0462	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR100986

**Lancaster Laboratories Sample No. SW 4582280**

**05-MET-087 Grab Soil Sample**

**N(4-4.5)**

**Former Metro Container Investigation**

Collected: 08/11/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-087

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.201	0.462	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0897	0.462	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.130	0.462	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0815	0.462	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.299	0.897	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0897	0.462	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.299	0.897	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	3.4	17.	mg/kg	5
01185	Phenol	108-95-2	N.D.	1.1	5.7	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	1.1	5.7	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.1	5.7	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.1	5.7	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.1	5.7	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.3	5.7	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	1.1	5.7	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	5.7	17.	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.3	5.7	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	5.7	17.	mg/kg	5
01195	Pyrene	129-00-0	9.1	1.1	5.7	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	1.1	5.7	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	1.1	5.7	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	3.4	5.7	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.1	5.7	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.1	5.7	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	23.	68.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.7	17.	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.3	5.7	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.1	5.7	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.1	5.7	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.1	5.7	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.1	5.7	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	1.1	5.7	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	1.1	5.7	mg/kg	5
03759	Isophorone	78-59-1	N.D.	1.1	5.7	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR100987

Lancaster Laboratories Sample No. SW 4582280

05-MET-087 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/11/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-087

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.1	5.7	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	1.1	5.7	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	2.3	5.7	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	5.7	17.	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	1.1	5.7	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	1.1	5.7	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	2.3	5.7	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.1	5.7	mg/kg	5
03768	Fluorene	86-73-7	N.D.	1.1	5.7	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.1	5.7	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	2.3	5.7	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.1	5.7	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.1	5.7	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.1	5.7	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	1.1	5.7	mg/kg	5
03775	Phenanthrene	85-01-8	4.9 J	1.1	5.7	mg/kg	5
03776	Anthracene	120-12-7	2.1 J	1.1	5.7	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	2.3	5.7	mg/kg	5
03778	Fluoranthene	206-44-0	7.3	1.1	5.7	mg/kg	5
03779	Benzidine	92-87-5	N.D.	23.	68.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	2.3	5.7	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	10.	1.1	5.7	mg/kg	5
03782	Chrysene	218-01-9	11.	1.1	5.7	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	3.4	11.	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.3	11.	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	2.3	5.7	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	12.	1.1	5.7	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	4.9 J	1.1	5.7	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	13.	1.1	5.7	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	7.5	1.1	5.7	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	5.3 J	1.1	5.7	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	12.	1.1	5.7	mg/kg	5

The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR100988

Lancaster Laboratories Sample No. SW 4582280

05-MET-087 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/11/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-087

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.11
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.11
02020	t-Butyl alcohol	75-65-0	N.D.	0.030	0.15	mg/kg	1.11
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.11
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.11
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.11
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.11
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.11
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.11
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.008	mg/kg	1.11
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.11
05452	1,1-Dichloroethane	75-34-3	0.004 J	0.002	0.008	mg/kg	1.11
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.008	mg/kg	1.11
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.11
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.11
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.11
05460	Benzene	71-43-2	N.D.	0.0008	0.008	mg/kg	1.11
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.11
05462	Trichloroethene	79-01-6	N.D.	0.002	0.008	mg/kg	1.11
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.11
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.11
05466	Toluene	108-88-3	N.D.	0.002	0.008	mg/kg	1.11
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.11
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.008	mg/kg	1.11
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.11
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	1.11
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.008	mg/kg	1.11
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.11
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.11
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.11
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.11
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.008	mg/kg	1.11

\*=This limit was used in the evaluation of the final result

AR100989

Lancaster Laboratories Sample No. SW 4582280

05-MET-087 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/11/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-087

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07586	Acrolein	107-02-8	N.D.	0.030	0.15	mg/kg	1.11
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.030	mg/kg	1.11
2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 08:53	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/18/2005 17:28	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 17:28	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 17:28	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/18/2005 17:28	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/18/2005 17:28	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 15:07	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 17:28	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/18/2005 17:28	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 15:07	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/18/2005 17:28	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 17:28	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/18/2005 17:28	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:27	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/18/2005 13:44	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100990



Lancaster Laboratories Sample No. SW 4582280

05-MET-087 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/11/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:56

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-087

01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 13:51	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 19:14	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 16:37	[REDACTED]	1.11
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 16:37	[REDACTED]	1.11
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/16/2005 09:25	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:51	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:12	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4582280	SDG No.: _____
Sample wt/vol: 4.5 (g/mL) g	Lab File ID: HP09193.i/05aug17a.b/xg17s08.d	
Level: (low/med) LOW	Date Received: 08/11/05	
% Moisture: not dec. 26	Date Analyzed: 08/17/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.87	0.64	J
2.	Unknown siloxane	10.24	0.008	J B
3.	Unknown	12.26	0.028	J B
4.				
5.				
6.				
7.				
8.				
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11.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR100992

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582280  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0473.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 26 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.229	22	JAB
2.	Phenanthrene, 2,5-dimethyl-	8.119	8.0	JX
3.	Unknown	9.226	9.3	J
4.	Unknown	9.546	10	J
5.	Chrysene, 3-methyl-	9.730	21	JX
6.	Unknown	9.798	8.2	J
7.	Chrysene, 6-methyl-	9.835	8.1	JX
8.	Unknown	9.872	13	J
9.	Benz[a]anthracene, 7,12-dime	10.019	9.4	JX
10.	Benzo[c]phenanthrene, 5,8-di	10.087	8.9	JX
11.	Benzo[c]phenanthrene, 5,8-di	10.136	18	JX
12.	Perylene	10.314	7.7	JX
13.	Unknown	10.659	16	J
14.	Benz[j]aceanthrylene, 3-meth	10.720	15	JX
15.	Unknown	10.843	13	J
16.	Unknown	10.892	8.0	J
17.	Unknown	10.935	9.1	J
18.	Benzo[f]naphtho[2,1-c]cinnol	10.991	21	JX
19.	Unknown	11.077	8.5	J
20.	Unknown	11.126	18	J
21.	1,2:7,8-Dibenzophenanthrene	11.206	11	JX
22.	Dibenz[a,h]anthracene	11.372	17	JX
23.	Benzo[1,2-b:5,4-b']bis[1]ben	11.655	10	JX
24.	Unknown	11.759	19	J
25.	Unknown	11.999	9.4	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR100993

**Lancaster Laboratories Sample No. SW 4582281**
**05-MET-088 Grab Soil Sample**
**N(3-3.5)**
**Former Metro Container Investigation**

Collected: 08/11/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:57

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-088

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.156	0.0035	0.130	mg/kg	1
06925	Thallium	7440-28-0	3.19	1.22	2.54	mg/kg	1
06935	Arsenic	7440-38-2	21.3	0.850	2.54	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.22	2.54	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.04	2.54	mg/kg	1
06947	Beryllium	7440-41-7	0.543 J	0.0545	0.634	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.109	0.634	mg/kg	1
06951	Chromium	7440-47-3	36.9	0.672	1.90	mg/kg	1
06953	Copper	7440-50-8	48.4	0.381	1.27	mg/kg	1
06955	Lead	7439-92-1	111.	0.989	2.54	mg/kg	1
06961	Nickel	7440-02-0	14.8	0.419	1.27	mg/kg	1
06966	Silver	7440-22-4	0.415 J	0.241	0.634	mg/kg	1
06972	Zinc	7440-66-6	56.3	0.584	2.54	mg/kg	1
00111	Moisture	n.a.	24.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.64	mg/kg	1
05912	Phenols	n.a.	N.D.	7.9	23.0	mg/kg	5
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00449	0.0219	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00449	0.0219	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00449	0.0219	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0375	0.0449	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00871	0.0449	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00871	0.0449	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0449	0.219	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00449	0.0219	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00753	0.0219	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00554	0.0219	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00449	0.0219	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00871	0.0449	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00871	0.0449	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.106	0.449	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.290	0.871	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00515	0.0219	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0137	0.0449	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00871	0.0449	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0228	0.0449	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR100994

Lancaster Laboratories Sample No. SW 4582281

05-MET-088 Grab Soil Sample

N(3-3.5)

Former Metro Container Investigation

Collected: 08/11/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:57

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-088

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.195	0.449	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0871	0.449	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.127	0.449	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0792	0.449	mg/kg	20
01997	PCB-1248	12672-29-6	1.26	0.290	0.871	mg/kg	20
01998	PCB-1254	11097-69-1	1.02	0.0871	0.449	mg/kg	20
01999	PCB-1260	11096-82-5	1.31	0.290	0.871	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for beta-BHC, endosulfan I, endosulfan II, 4,4'-DDT, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	2.0	9.9	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.66	3.3	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.66	3.3	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.66	3.3	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.66	3.3	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.66	3.3	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	1.3	3.3	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.66	3.3	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	3.3	9.9	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	1.3	3.3	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	3.3	9.9	mg/kg	5
01195	Pyrene	129-00-0	3.8	0.66	3.3	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	1.8 J	0.66	3.3	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.66	3.3	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	2.0	3.3	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.66	3.3	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.66	3.3	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	13.	40.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	3.3	9.9	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	1.3	3.3	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.66	3.3	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.66	3.3	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.66	3.3	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.66	3.3	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR100995

Lancaster Laboratories Sample No. SW 4582281

05-MET-088 Grab Soil Sample

N(3-3.5)

Former Metro Container Investigation

Collected: 08/11/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:57

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-088

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.66	3.3	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.66	3.3	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.66	3.3	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.66	3.3	mg/kg	5
03761	Naphthalene	91-20-3	1.2 J	0.66	3.3	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	1.3	3.3	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	3.3	9.9	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.66	3.3	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.66	3.3	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	1.3	3.3	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.66	3.3	mg/kg	5
03768	Fluorene	86-73-7	0.95 J	0.66	3.3	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.66	3.3	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	1.3	3.3	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.66	3.3	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.66	3.3	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.66	3.3	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.66	3.3	mg/kg	5
03775	Phenanthrene	85-01-8	3.1 J	0.66	3.3	mg/kg	5
03776	Anthracene	120-12-7	1.2 J	0.66	3.3	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	1.4 J	1.3	3.3	mg/kg	5
03778	Fluoranthene	206-44-0	3.4	0.66	3.3	mg/kg	5
03779	Benzidine	92-87-5	N.D.	13.	40.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	1.3	3.3	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	3.1 J	0.66	3.3	mg/kg	5
03782	Chrysene	218-01-9	3.3	0.66	3.3	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.0	6.6	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	27.	1.3	6.6	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	1.3	3.3	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	4.2	0.66	3.3	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	1.8 J	0.66	3.3	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	3.1 J	0.66	3.3	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	2.5 J	0.66	3.3	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	1.4 J	0.66	3.3	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	3.3 J	0.66	3.3	mg/kg	5

The recovery of benzidine was above QC limits in the LCS. Since benzidine was not detected in the sample, no further action was taken.

\*=This limit was used in the evaluation of the final result

AR100996

Lancaster Laboratories Sample No. SW 4582281

05-MET-088 Grab Soil Sample

N(3-3.5)

Former Metro Container Investigation

Collected: 08/11/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:57

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-088

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.091	0.45	mg/kg	68.78
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.045	0.45	mg/kg	68.78
02020	t-Butyl alcohol	75-65-0	N.D.	1.8	9.1	mg/kg	68.78
05444	Chloromethane	74-87-3	N.D.	0.18	0.45	mg/kg	68.78
05445	Vinyl Chloride	75-01-4	N.D.	0.091	0.45	mg/kg	68.78
05446	Bromomethane	74-83-9	N.D.	0.18	0.45	mg/kg	68.78
05447	Chloroethane	75-00-3	N.D.	0.18	0.45	mg/kg	68.78
05448	Trichlorofluoromethane	75-69-4	N.D.	0.18	0.45	mg/kg	68.78
05449	1,1-Dichloroethene	75-35-4	N.D.	0.091	0.45	mg/kg	68.78
05450	Methylene Chloride	75-09-2	N.D.	0.18	0.45	mg/kg	68.78
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.091	0.45	mg/kg	68.78
05452	1,1-Dichloroethane	75-34-3	N.D.	0.091	0.45	mg/kg	68.78
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.091	0.45	mg/kg	68.78
05455	Chloroform	67-66-3	N.D.	0.091	0.45	mg/kg	68.78
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.091	0.45	mg/kg	68.78
05458	Carbon Tetrachloride	56-23-5	N.D.	0.091	0.45	mg/kg	68.78
05460	Benzene	71-43-2	N.D.	0.045	0.45	mg/kg	68.78
05461	1,2-Dichloroethane	107-06-2	N.D.	0.091	0.45	mg/kg	68.78
05462	Trichloroethene	79-01-6	N.D.	0.091	0.45	mg/kg	68.78
05463	1,2-Dichloropropane	78-87-5	N.D.	0.091	0.45	mg/kg	68.78
05465	Bromodichloromethane	75-27-4	N.D.	0.091	0.45	mg/kg	68.78
05466	Toluene	108-88-3	1.3	0.091	0.45	mg/kg	68.78
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.091	0.45	mg/kg	68.78
05468	Tetrachloroethene	127-18-4	N.D.	0.091	0.45	mg/kg	68.78
05470	Dibromochloromethane	124-48-1	N.D.	0.091	0.45	mg/kg	68.78
05472	Chlorobenzene	108-90-7	N.D.	0.091	0.45	mg/kg	68.78
05474	Ethylbenzene	100-41-4	0.96	0.091	0.45	mg/kg	68.78
05478	Bromoform	75-25-2	N.D.	0.091	0.45	mg/kg	68.78
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.091	0.45	mg/kg	68.78

\*=This limit was used in the evaluation of the final result

AR100997



Lancaster Laboratories Sample No. SW 4582281

05-MET-088 Grab Soil Sample

N(3-3.5)

Former Metro Container Investigation

Collected: 08/11/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:57

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-088

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.091	0.45	mg/kg	68.78
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.091	0.45	mg/kg	68.78
06301	Xylene (Total)	1330-20-7	2.3	0.091	0.45	mg/kg	68.78
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.18	0.91	mg/kg	68.78
07586	Acrolein	107-02-8	N.D.	1.8	9.1	mg/kg	68.78
07587	Acrylonitrile	107-13-1	N.D.	0.36	1.8	mg/kg	68.78

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 08:54	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/18/2005 17:33	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 17:33	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 17:33	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/18/2005 17:33	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/18/2005 17:33	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 15:12	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 17:33	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/18/2005 17:33	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 15:12	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR100998

Lancaster Laboratories Sample No. SW 4582281

05-MET-088 Grab Soil Sample

N(3-3.5)

Former Metro Container Investigation

Collected: 08/11/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:57

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-088

06961	Nickel	SW-846 6010B	1	08/18/2005 17:33	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 17:33	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/18/2005 17:33	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:36	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/18/2005 13:46	[REDACTED]	5
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 14:12	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 19:35	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 15:09	[REDACTED]	68.78
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 15:09	[REDACTED]	68.78
00381	BNA Soil Extraction	SW-846 3550B	1	08/12/2005 16:45	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/15/2005 01:45	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:53	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/12/2005 23:13	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR100999

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4582281  
 Sample wt/vol: 7.27 (g/mL) g Lab File ID: HP07566.i/05aug17b.b/rg17s18.d  
 Level: (low/med) MED Date Received: 08/11/05  
 % Moisture: not dec. 24 Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP Dilution Factor: 68.8  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.50	0.91	J
2.	!Unknown aromatic	12.51	0.56	J
3.	!Unknown aromatic	12.56	1.2	J
4.	!Unknown aromatic	12.85	1.6	J
5.	!Unknown aromatic	13.17	0.61	J
6.	!Unknown aromatic	13.35	0.86	J
7.	!Unknown alkane	13.41	0.62	J
8.	!Unknown aromatic	13.57	0.53	J
9.	!Unknown aromatic	13.62	0.79	J
10.	!Unknown aromatic	13.93	0.69	J
11.	!Unknown aromatic	14.13	0.68	J
12.	!Unknown aromatic	14.22	0.57	J
13.	!Unknown aromatic	14.24	0.78	J
14.	!Unknown aromatic	14.68	0.67	J
15.	!Unknown aromatic	15.45	0.61	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101000

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4582281  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0474.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: 24 Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.235	58	JAB
2.	Unknown Alkane	6.877	10	J
3.	Unknown	7.978	9.8	J
4.	Phenanthrene, 2,3-dimethyl-	8.125	18	JX
5.	Unknown Alkane	8.328	25	J
6.	Unknown	9.109	11	J
7.	Unknown	9.288	11	J
8.	Unknown	9.552	11	J
9.	Unknown Alkane	9.656	21	J
10.	Unknown Alkane	9.749	13	J
11.	Unknown Alkane	9.804	10	J
12.	Unknown	9.927	9.9	J
13.	Unknown Alkane	10.007	49	J
14.	Unknown	10.093	46	J
15.	Unknown Alkane	10.191	28	J
16.	Unknown Alkane	10.603	22	J
17.	Unknown Alkane	10.671	13	J
18.	Unknown	10.769	15	J
19.	Unknown Alkane	10.862	18	J
20.	Unknown	10.941	27	J
21.	Unknown	11.009	24	J
22.	Unknown	11.151	18	J
23.	Unknown	11.396	13	J
24.	Unknown Alkane	11.710	18	J
25.	Unknown	12.061	11	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101001

Lancaster Laboratories Sample No. SW 4582282

05-TISD-11 Grab Soil Sample

N(0-0.5)

Former Metro Container Investigation

Collected: 08/11/2005 09:25

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:57

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD11

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.219	0.0028	0.103	mg/kg	1
06935	Arsenic	7440-38-2	0.792 J	0.671	2.00	mg/kg	1
06936	Selenium	7782-49-2	N.D.	0.962	2.00	mg/kg	1
06946	Barium	7440-39-3	22.6	0.0881	0.501	mg/kg	1
06949	Cadmium	7440-43-9	0.139 J	0.0861	0.501	mg/kg	1
06951	Chromium	7440-47-3	8.54	0.531	1.50	mg/kg	1
06955	Lead	7439-92-1	31.6	0.781	2.00	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.190	0.501	mg/kg	1
00111	Moisture	n.a.	4.0	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 08:58	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 17:38	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 17:38	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 17:38	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 15:16	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 17:38	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 15:16	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 17:38	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4582283

05-TISD-12 Grab Soil Sample

N(0-0.5)

Former Metro Container Investigation

Collected: 08/11/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.117	0.0028	0.105	mg/kg	1
06935	Arsenic	7440-38-2	0.884 J	0.693	2.07	mg/kg	1
06936	Selenium	7782-49-2	N.D.	0.994	2.07	mg/kg	1
06946	Barium	7440-39-3	28.5	0.0911	0.518	mg/kg	1
06949	Cadmium	7440-43-9	0.375 J	0.0890	0.518	mg/kg	1
06951	Chromium	7440-47-3	11.1	0.549	1.55	mg/kg	1
06955	Lead	7439-92-1	31.2	0.807	2.07	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.197	0.518	mg/kg	1
00111	Moisture	n.a.	7.1	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 09:00	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 16:22	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 16:22	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 16:22	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 13:59	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 16:22	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 13:59	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 16:22	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4582284

05-TISD-01 Grab Soil Sample

N(0-0.5)

Former Metro Container Investigation

Collected: 08/11/2005 08:35

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD-1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.578	0.0026	0.0972	mg/kg	1
06935	Arsenic	7440-38-2	5.48	0.669	2.00	mg/kg	1
06936	Selenium	7782-49-2	1.98 J	0.959	2.00	mg/kg	1
06946	Barium	7440-39-3	215.	0.0879	0.499	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.429	2.50	mg/kg	5
06951	Chromium	7440-47-3	47.2	0.529	1.50	mg/kg	1
06955	Lead	7439-92-1	132.	0.779	2.00	mg/kg	1
06966	Silver	7440-22-4	0.584	0.190	0.499	mg/kg	1
00111	Moisture	n.a.	3.7	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 09:01	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 17:43	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 17:43	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 17:43	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 16:49	[REDACTED]	5
06951	Chromium	SW-846 6010B	1	08/18/2005 17:43	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 15:21	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 17:43	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result





# Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. SW 4582285

05-TISD-02 Grab Soil Sample

N(0-0.5)

Former Metro Container Investigation

Collected: 08/11/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0902 J	0.0028	0.103	mg/kg	1
06935	Arsenic	7440-38-2	1.30 J	0.690	2.06	mg/kg	1
06936	Selenium	7782-49-2	N.D.	0.988	2.06	mg/kg	1
06946	Barium	7440-39-3	65.2	0.0906	0.515	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0885	0.515	mg/kg	1
06951	Chromium	7440-47-3	33.8	0.546	1.54	mg/kg	1
06955	Lead	7439-92-1	163.	0.803	2.06	mg/kg	1
06966	Silver	7440-22-4	0.258 J	0.196	0.515	mg/kg	1
00111	Moisture	n.a.	6.6	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 09:09	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 17:47	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 17:47	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 17:47	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 15:26	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 17:47	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 15:26	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 17:47	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101005

Lancaster Laboratories Sample No. SW 4582286

05-TISD-03 Grab Soil Sample

N(0-0.5)

Former Metro Container Investigation

Collected: 08/11/2005 08:46

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD-3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0285 J	0.0027	0.103	mg/kg	1
06935	Arsenic	7440-38-2	2.83	0.685	2.04	mg/kg	1
06936	Selenium	7782-49-2	N.D.	0.981	2.04	mg/kg	1
06946	Barium	7440-39-3	39.7	0.0899	0.511	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.439	2.55	mg/kg	5
06951	Chromium	7440-47-3	22.6	0.542	1.53	mg/kg	1
06955	Lead	7439-92-1	44.0	0.797	2.04	mg/kg	1
06966	Silver	7440-22-4	0.361 J	0.194	0.511	mg/kg	1
00111	Moisture	n.a.	5.9	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 09:10	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 17:52	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 17:52	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 17:52	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 16:58	[REDACTED]	5
06951	Chromium	SW-846 6010B	1	08/18/2005 17:52	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 15:31	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 17:52	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. SW 4582287**
**05-TISD-04 Grab Soil Sample**
**N(0-0.5)**
**Former Metro Container Investigation**

Collected: 08/11/2005 08:50

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD-4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0323 J	0.0028	0.104	mg/kg	1
06935	Arsenic	7440-38-2	1.07 J	0.697	2.08	mg/kg	1
06936	Selenium	7782-49-2	N.D.	0.999	2.08	mg/kg	1
06946	Barium	7440-39-3	13.5	0.0916	0.520	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0895	0.520	mg/kg	1
06951	Chromium	7440-47-3	5.80	0.552	1.56	mg/kg	1
06955	Lead	7439-92-1	9.66	0.812	2.08	mg/kg	1
06966	Silver	7440-22-4	0.206 J	0.198	0.520	mg/kg	1
00111	Moisture	n.a.	7.6	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 09:14	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 18:06	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 18:06	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 18:06	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 15:46	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 18:06	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 15:46	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 18:06	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 17:41	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101007

Lancaster Laboratories Sample No. SW 4582288

05-TISD-05 Grab Soil Sample

N(0-0.5)

Former Metro Container Investigation

Collected: 08/11/2005 08:56

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD-5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0052 J	0.0026	0.0984	mg/kg	1
06935	Arsenic	7440-38-2	N.D.	0.672	2.01	mg/kg	1
06936	Selenium	7782-49-2	N.D.	0.963	2.01	mg/kg	1
06946	Barium	7440-39-3	15.5	0.0882	0.501	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0862	0.501	mg/kg	1
06951	Chromium	7440-47-3	8.21	0.531	1.50	mg/kg	1
06955	Lead	7439-92-1	4.83	0.782	2.01	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.191	0.501	mg/kg	1
00111	Moisture	n.a.	4.1	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 09:15	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 18:11	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 18:11	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 18:11	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 15:50	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 18:11	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 15:50	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 18:11	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 18:18	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4582289

05-TISD-06 Grab Soil Sample

N(0-0.5)

Former Metro Container Investigation

Collected: 08/11/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD-6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0884 J	0.0028	0.106	mg/kg	1
06935	Arsenic	7440-38-2	0.828 J	0.693	2.07	mg/kg	1
06936	Selenium	7782-49-2	N.D.	0.993	2.07	mg/kg	1
06946	Barium	7440-39-3	30.9	0.0910	0.517	mg/kg	1
06949	Cadmium	7440-43-9	0.258 J	0.0889	0.517	mg/kg	1
06951	Chromium	7440-47-3	9.44	0.548	1.55	mg/kg	1
06955	Lead	7439-92-1	21.0	0.806	2.07	mg/kg	1
06966	Silver	7440-22-4	0.207 J	0.196	0.517	mg/kg	1
00111	Moisture	n.a.	7.0	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 09:16	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 18:16	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 18:16	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 18:16	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 15:55	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 18:16	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 15:55	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 18:16	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 18:18	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4582290

05-TISD-07 Grab Soil Sample

N(0-0.5)

Former Metro Container Investigation

Collected: 08/11/2005 09:05

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD-7

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.343	0.0025	0.0952	mg/kg	1
06935	Arsenic	7440-38-2	3.01	0.660	1.97	mg/kg	1
06936	Selenium	7782-49-2	N.D.	0.946	1.97	mg/kg	1
06946	Barium	7440-39-3	182.	0.0867	0.493	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0847	0.493	mg/kg	1
06951	Chromium	7440-47-3	24.2	0.522	1.48	mg/kg	1
06955	Lead	7439-92-1	46.6	0.768	1.97	mg/kg	1
06966	Silver	7440-22-4	0.412 J	0.187	0.493	mg/kg	1
00111	Moisture	n.a.	2.4	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 09:17	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 18:20	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 18:20	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 18:20	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 16:00	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 18:20	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 16:00	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 18:20	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 18:18	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101010

Lancaster Laboratories Sample No. SW 4582291

05-TISD-08 Grab Soil Sample

N(0-0.5)

Former Metro Container Investigation

Collected: 08/11/2005 09:10

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD-8

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0862 J	0.0029	0.110	mg/kg	1
06935	Arsenic	7440-38-2	1.47 J	0.727	2.17	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.04	2.17	mg/kg	1
06946	Barium	7440-39-3	31.3	0.0955	0.543	mg/kg	1
06949	Cadmium	7440-43-9	0.430 J	0.0933	0.543	mg/kg	1
06951	Chromium	7440-47-3	17.0	0.575	1.63	mg/kg	1
06955	Lead	7439-92-1	39.8	0.847	2.17	mg/kg	1
06966	Silver	7440-22-4	0.279 J	0.206	0.543	mg/kg	1
00111	Moisture	n.a.	11.4	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 09:19	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 18:25	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 18:25	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 18:25	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 16:05	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 18:25	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 16:05	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 18:25	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 18:18	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101011



Lancaster Laboratories Sample No. SW 4582292

05-TISD-09 Grab Soil Sample

N(0-0.5)

Former Metro Container Investigation

Collected: 08/11/2005 09:14

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD-9

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0186 J	0.0028	0.106	mg/kg	1
06935	Arsenic	7440-38-2	N.D.	0.701	2.09	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.00	2.09	mg/kg	1
06946	Barium	7440-39-3	15.3	0.0921	0.523	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0900	0.523	mg/kg	1
06951	Chromium	7440-47-3	5.01	0.555	1.57	mg/kg	1
06955	Lead	7439-92-1	12.0	0.816	2.09	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.199	0.523	mg/kg	1
00111	Moisture	n.a.	8.1	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 09:20	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 18:30	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 18:30	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 18:30	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 16:10	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 18:30	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 16:10	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 18:30	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 18:18	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4582293

05-TISD-10 Grab Soil Sample

N(0-0.5)

Former Metro Container Investigation

Collected: 08/11/2005 09:20

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

TSD10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0531 J	0.0026	0.0977	mg/kg	1
06935	Arsenic	7440-38-2	1.59 J	0.653	1.95	mg/kg	1
06936	Selenium	7782-49-2	N.D.	0.936	1.95	mg/kg	1
06946	Barium	7440-39-3	25.8	0.0858	0.488	mg/kg	1
06949	Cadmium	7440-43-9	0.115 J	0.0839	0.488	mg/kg	1
06951	Chromium	7440-47-3	9.91	0.517	1.46	mg/kg	1
06955	Lead	7439-92-1	28.8	0.761	1.95	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.185	0.488	mg/kg	1
00111	Moisture	n.a.	1.4	0.50	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/16/2005 09:21	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/18/2005 18:35	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/18/2005 18:35	[REDACTED]	1
06946	Barium	SW-846 6010B	1	08/18/2005 18:35	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/19/2005 16:15	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/18/2005 18:35	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/19/2005 16:15	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/18/2005 18:35	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/12/2005 18:18	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/15/2005 07:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/15/2005 09:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 4582294**
**EB-081105W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB-WT

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0096	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.038	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0096	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0096	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0096	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0096	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0038	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0096	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0038	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.067	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.96	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0038	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0096	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.096	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.096	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.096	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.096	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101014

**Lancaster Laboratories Sample No. WW 4582294**
**EB-081105W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB-WT

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.096	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.096	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.096	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	20.	59.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	15.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1

\* = This limit was used in the evaluation of the final result

AR101015

**Lancaster Laboratories Sample No. WW 4582294**
**EB-081105W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB-WT

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	20.	59.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101016

**Lancaster Laboratories Sample No. WW 4582294**
**EB-081105W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB-WT

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

**00890 VOA GC/MS Library Search**

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

**00893 Semivolatile Library Search**

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

AR101017

Lancaster Laboratories Sample No. WW 4582294

EB-081105W Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/11/2005 14:00

by

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB-WT

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:20		1
07022	Thallium	SW-846 6010B	1	08/17/2005 01:09		1
07035	Arsenic	SW-846 6010B	1	08/15/2005 21:25		1
07036	Selenium	SW-846 6010B	1	08/15/2005 21:25		1
07044	Antimony	SW-846 6010B	1	08/15/2005 21:25		1
07047	Beryllium	SW-846 6010B	1	08/15/2005 21:25		1
07049	Cadmium	SW-846 6010B	1	08/17/2005 01:09		1
07051	Chromium	SW-846 6010B	1	08/15/2005 21:25		1
07053	Copper	SW-846 6010B	1	08/15/2005 21:25		1
07055	Lead	SW-846 6010B	1	08/15/2005 21:25		1
07061	Nickel	SW-846 6010B	1	08/15/2005 21:25		1
07066	Silver	SW-846 6010B	1	08/15/2005 21:25		1
07072	Zinc	SW-846 6010B	1	08/17/2005 10:23		1
02393	Phenols	SW846 9066	1	08/18/2005 10:56		1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:25		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 17:30		1
07879	EDB	SW-846 8011	1	08/17/2005 16:35		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/15/2005 22:39		1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 20:53		1
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00		1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:00		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 20:53		n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30		1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30		1
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50		1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/17/2005 14:20		1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30		1

\*=This limit was used in the evaluation of the final result

AR101018



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	_____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4582294	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug15b.b/ng15s51.d	
Level: (low/med) LOW	Date Received: 08/11/05	
% Moisture: not dec.	Date Analyzed: 08/15/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101019

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4582294  
 Sample wt/vol: 1025 (g/mL) mL Lab File ID: eh0521.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: \_\_\_\_\_ Decanted: (Y/N) Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/15/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 3 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.10544-50-0	Cyclic octaatomic sulfur	8.587	190	J
2.	Unknown	11.333	210	J
3.	Unknown	11.386	140	J
4.				
5.				
6.				
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26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101020

Lancaster Laboratories Sample No. **WW 4582295**

**EB-081105S Equipment Blank Grab Water Sample**

**EB**

**Former Metro Container Investigation**

Collected: 08/11/2005 14:15

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB11S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07046	Barium	7440-39-3	N.D.	0.44	5.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0096	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.039	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0096	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0096	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0096	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0096	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0039	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0096	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0039	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.067	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.96	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0039	0.019	ug/l	1
01616	Endosulfan I	959-98-8	0.0021 J	0.0019	0.0096	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.096	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.096	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.096	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101021

**Lancaster Laboratories Sample No. WW 4582295**
**EB-081105S Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:15

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB11S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01622	PCB-1242	53469-21-9	N.D.	0.096	0.48	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	0.096	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.096	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.096	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	20.	59.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	15.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101022

Lancaster Laboratories Sample No. WW 4582295

EB-081105S Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/11/2005 14:15

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB11S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	20.	59.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
06371	Add'l Volatile Compounds						
05662	1,2-Dibromoethane	106-93-4	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101023

**Lancaster Laboratories Sample No. WW 4582295**
**EB-081105S Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:15

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB11S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

**00890 VOA GC/MS Library Search**

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

**00893 Semivolatile Library Search**

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

AR101024

**Lancaster Laboratories Sample No. WW 4582295**
**EB-081105S Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:15

by

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 09/01/2005 at 08:58

Discard: 10/02/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB11S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/15/2005 14:21		1
07022	Thallium	SW-846 6010B	1	08/17/2005 01:14		1
07035	Arsenic	SW-846 6010B	1	08/15/2005 21:30		1
07036	Selenium	SW-846 6010B	1	08/15/2005 21:30		1
07044	Antimony	SW-846 6010B	1	08/15/2005 21:30		1
07046	Barium	SW-846 6010B	1	08/15/2005 21:30		1
07047	Beryllium	SW-846 6010B	1	08/15/2005 21:30		1
07049	Cadmium	SW-846 6010B	1	08/17/2005 01:14		1
07051	Chromium	SW-846 6010B	1	08/15/2005 21:30		1
07053	Copper	SW-846 6010B	1	08/15/2005 21:30		1
07055	Lead	SW-846 6010B	1	08/15/2005 21:30		1
07061	Nickel	SW-846 6010B	1	08/15/2005 21:30		1
07066	Silver	SW-846 6010B	1	08/15/2005 21:30		1
07072	Zinc	SW-846 6010B	1	08/17/2005 10:26		1
02393	Phenols	SW846 9066	1	08/18/2005 10:57		1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:26		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 17:51		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 18:04		1
06371	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 21:16		1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 21:16		1
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00		1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:00		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 21:16		n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 19:30		1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/12/2005 18:30		1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/17/2005 14:20		1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30		1

\*=This limit was used in the evaluation of the final result

AR101025



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4582295	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug15b.b/ng15s52.d	
Level: (low/med) LOW	Date Received: 08/11/05	
% Moisture: not dec.	Date Analyzed: 08/15/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101026

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4582295  
 Sample wt/vol: 1022 (g/mL) mL Lab File ID: eh0542.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: \_\_\_\_\_ Decanted: (Y/N) Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 3 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.571	5	J
2.10544-50-0	Cyclic octaatomic sulfur	8.635	8	J
3.	Unknown	11.039	4	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101027

**Lancaster Laboratories Sample No. G5 4582296**
**TB-081105S Trip Blank MeOH Sample  
TB  
Former Metro Container Investigation**

Collected: 08/11/2005

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 09/01/2005 at 08:59  
Discard: 10/02/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB811

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	mg/kg	50
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	50
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.0	mg/kg	50
05444	Chloromethane	74-87-3	N.D.	0.10	0.25	mg/kg	50
05445	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	mg/kg	50
05446	Bromomethane	74-83-9	N.D.	0.10	0.25	mg/kg	50
05447	Chloroethane	75-00-3	N.D.	0.10	0.25	mg/kg	50
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	mg/kg	50
05449	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	mg/kg	50
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.25	mg/kg	50
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	mg/kg	50
05452	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	mg/kg	50
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	mg/kg	50
05455	Chloroform	67-66-3	N.D.	0.050	0.25	mg/kg	50
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	mg/kg	50
05458	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	mg/kg	50
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	mg/kg	50
05462	Trichloroethene	79-01-6	N.D.	0.050	0.25	mg/kg	50
05463	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	mg/kg	50
05465	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	mg/kg	50
05466	Toluene	108-88-3	N.D.	0.050	0.25	mg/kg	50
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	mg/kg	50
05468	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	mg/kg	50
05470	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	mg/kg	50
05472	Chlorobenzene	108-90-7	N.D.	0.050	0.25	mg/kg	50
05474	Ethylbenzene	100-41-4	N.D.	0.050	0.25	mg/kg	50
05478	Bromoform	75-25-2	N.D.	0.050	0.25	mg/kg	50
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	mg/kg	50
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	mg/kg	50
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	mg/kg	50
06301	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	mg/kg	50
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.50	mg/kg	50
07586	Acrolein	107-02-8	N.D.	1.0	5.0	mg/kg	50

\*This limit was used in the evaluation of the final result

AR101028

Lancaster Laboratories Sample No. G5 4582296

TB-081105S Trip Blank MeOH Sample  
TB  
Former Metro Container Investigation

Collected: 08/11/2005

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 09/01/2005 at 08:59  
Discard: 10/02/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB811

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	50
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							

00890 VOA GC/MS Library Search  
The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 07:19		50
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 07:19		50
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/12/2005 13:55		1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4582296	SDG No.: _____
Sample wt/vol: 5.0 (g/mL) g	Lab File ID: HP07566.i/05aug18a.b/rg18s06.d	
Level: (low/med) MED	Date Received: 08/11/05	
% Moisture: not dec.	Date Analyzed: 08/18/05	
Column: (pack/cap) CAP	Dilution Factor: 50.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) mg/Kg	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101030

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052245713002 Mercury	Sample number(s): 4582294-4582295 N.D.	0.00006 2	0.00020	mg/l	100		80-120		
Batch number: 05224820002A Moisture	Sample number(s): 4582288-4582291,4582293				100		99-101		
Batch number: 05224820002B Moisture	Sample number(s): 4582292				100		99-101		
Batch number: 05224820003A Moisture	Sample number(s): 4582277-4582286				100		99-101		
Batch number: 05224820003B Moisture	Sample number(s): 4582268-4582276,4582287				100		99-101		
Batch number: 05224SLB026	Sample number(s): 4582268-4582274,4582276-4582281								
1,4-Dioxane	N.D.	100.	500.	ug/kg	36		14-81		
Phenol	N.D.	33.	170.	ug/kg	84		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	96		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	84		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	83		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	88		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	89		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	93		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	71		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	79		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	83		47-110		
Pyrene	N.D.	33.	170.	ug/kg	104		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	92		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	102		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	90		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	95		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	96		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	81		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	93		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	82		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	86		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	83		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	82		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	110		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	90		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	84		68-105		
Isophorone	N.D.	33.	170.	ug/kg	83		69-101		

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	100		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	87		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	89		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	104		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	70		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	107		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	89		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	90		75-108		
Fluorene	N.D.	33.	170.	ug/kg	85		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	87		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	88		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	96		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	103		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	101		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	92		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	93		70-107		
Anthracene	N.D.	33.	170.	ug/kg	95		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	96		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	84		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	101*		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	90		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	91		73-111		
Chrysene	N.D.	33.	170.	ug/kg	91		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	83		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	88		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	97		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	96		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	90		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	101		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	100		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	108		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	106		66-120		

Batch number: 05224WAB026

Sample number(s): 4582294-4582295

1,4-Dioxane	N.D.	1.	5.	ug/l	54	61	43-73	13	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	93	97	65-107	4	30
2-Chlorophenol	N.D.	1.	5.	ug/l	87	91	63-112	4	30
Phenol	N.D.	1.	5.	ug/l	42	48	29-57	12	30
2-Nitrophenol	N.D.	1.	5.	ug/l	96	100	83-119	4	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	88	92	60-107	5	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	87	93	66-110	6	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	89	92	48-114	3	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	90	92	69-111	3	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	65	66	44-130	2	30
4-Nitrophenol	N.D.	10.	30.	ug/l	45	43	16-75	4	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	78	82	56-130	5	30
Pentachlorophenol	N.D.	3.	15.	ug/l	73	71	48-108	3	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	58	60	39-84	4	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	84	87	57-110	4	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	84	88	52-102	4	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	84	88	54-103	4	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	82	85	58-99	4	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	102	105	68-133	3	30
Hexachloroethane	N.D.	1.	5.	ug/l	83	88	33-106	6	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	86	89	56-109	4	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Nitrobenzene	N.D.	1.	5.	ug/l	89	93	61-111	4	30
Isophorone	N.D.	1.	5.	ug/l	84	86	63-105	3	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	94	96	69-119	2	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	88	92	62-101	4	30
Naphthalene	N.D.	1.	5.	ug/l	89	94	70-102	6	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	92	95	33-118	4	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	82	84	14-169	3	30
2-Chloronaphthalene	27.	1.	5.	ug/l	78	81	56-100	4	30
Acenaphthylene	N.D.	1.	5.	ug/l	105	110	65-120	5	30
Dimethylphthalate	N.D.	2.	5.	ug/l	77	78	46-109	2	30
2,6-Dinitrotoluene	15.	1.	5.	ug/l	90	93	70-108	3	30
Acenaphthene	N.D.	1.	5.	ug/l	97	99	68-111	2	30
2,4-Dinitrotoluene	12.	1.	5.	ug/l	96	98	75-122	2	30
Fluorene	1. J	1.	5.	ug/l	92	94	61-116	3	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	92	95	65-110	3	30
Diethylphthalate	N.D.	2.	5.	ug/l	90	91	61-110	1	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	92	93	62-106	2	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	93	95	63-104	2	30
4-Bromophenyl-phenylether	6.	1.	5.	ug/l	97	97	67-110	1	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	96	98	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	94	95	68-111	1	30
Anthracene	N.D.	1.	5.	ug/l	92	95	68-108	4	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	93	94	63-113	1	30
Fluoranthene	N.D.	1.	5.	ug/l	90	93	66-108	3	30
Pyrene	N.D.	1.	5.	ug/l	93	94	68-114	0	30
Benzidine	N.D.	20.	60.	ug/l	61	74	20-134	20	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	91	92	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	92	93	72-112	2	30
Chrysene	N.D.	1.	5.	ug/l	94	94	70-111	0	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	65	76	39-116	16	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	89	88	62-126	1	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	97	97	58-118	0	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	102	105	67-117	3	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	103	101	67-120	2	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	103	106	68-121	3	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	94	99	67-122	5	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	103	107	71-129	4	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	96	102	67-121	5	30

Batch number: 052250002A

Sample number(s): 4582268-4582281

Gamma BHC - Lindane	N.D.	0.170	0.830	ug/kg	104	74-133
Heptachlor	N.D.	0.170	0.830	ug/kg	101	72-143
Aldrin	N.D.	0.170	0.830	ug/kg	102	74-137
p,p-DDT	N.D.	0.330	1.70	ug/kg	95	67-152
Dieldrin	N.D.	0.330	1.70	ug/kg	107	71-133
Endrin	N.D.	0.330	1.70	ug/kg	100	68-133
Methoxychlor	N.D.	1.70	8.30	ug/kg	100	56-168
Alpha BHC	N.D.	0.170	0.830	ug/kg	102	70-134
Beta BHC	N.D.	0.170	0.830	ug/kg	102	68-137
Delta BHC	N.D.	0.210	0.830	ug/kg	92	53-167
Heptachlor Epoxide	N.D.	0.170	0.830	ug/kg	103	72-132
p,p-DDE	N.D.	0.330	1.70	ug/kg	96	71-143
p,p-DDD	N.D.	0.330	1.70	ug/kg	98	60-153
Chlordane	N.D.	4.00	17.0	ug/kg		
Toxaphene	N.D.	11.0	33.0	ug/kg		

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Endosulfan I	N.D.	0.170	0.830	ug/kg	108		71-130		
Endosulfan II	N.D.	0.330	1.70	ug/kg	104		73-134		
Endosulfan Sulfate	N.D.	0.330	1.70	ug/kg	108		58-133		
Endrin Aldehyde	N.D.	0.330	1.70	ug/kg	96		47-145		
PCB-1016	N.D.	7.40	17.0	ug/kg					
PCB-1221	N.D.	3.30	17.0	ug/kg					
PCB-1232	N.D.	4.80	17.0	ug/kg					
PCB-1242	N.D.	3.00	17.0	ug/kg					
PCB-1248	N.D.	11.0	33.0	ug/kg					
PCB-1254	N.D.	3.30	17.0	ug/kg					
PCB-1260	N.D.	11.0	33.0	ug/kg					
Batch number: 052250010A	Sample number(s): 4582294								
Ethylene dibromide	N.D.	0.010	0.030	ug/l	88	92	60-140	5	20
Batch number: 052261848003	Sample number(s): 4582294-4582295								
Thallium	N.D.	0.0100	0.0200	mg/l	102		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	104		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	100		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	104		94-112		
Barium	N.D.	0.00044	0.0050	mg/l	107		93-109		
Beryllium	N.D.	0.00044	0.0050	mg/l	103		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	106		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	100		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	105		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	103		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	103		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	108		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	104		90-112		
Batch number: 052265708001	Sample number(s): 4582268-4582273								
Thallium	N.D.	0.960	2.00	mg/kg	107		76-125		
Arsenic	N.D.	0.670	2.00	mg/kg	99		80-120		
Selenium	N.D.	0.960	2.00	mg/kg	107		74-126		
Antimony	N.D.	0.820	2.00	mg/kg	62		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	107		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	100		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	101		78-121		
Copper	N.D.	0.300	1.00	mg/kg	103		80-120		
Lead	N.D.	0.780	2.00	mg/kg	101		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	102		78-122		
Silver	N.D.	0.190	0.500	mg/kg	114		49-150		
Zinc	N.D.	0.460	2.00	mg/kg	99		46-154		
Batch number: 052265711001	Sample number(s): 4582268-4582273								
Mercury	N.D.	0.0027	0.100	mg/kg	88		66-133		
Batch number: 052270017A	Sample number(s): 4582294-4582295								
Alpha BHC	N.D.	0.0020	0.010	ug/l	100	110	56-122	10	20
Beta BHC	N.D.	0.012	0.040	ug/l	120	120	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	110	110	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	100	100	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	89	91	45-130	2	20
Aldrin	N.D.	0.0052	0.020	ug/l	80	81	47-122	1	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	100	100	73-141	0	20

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
p,p-DDE	N.D.	0.0040	0.020	ug/l	105	110	44-154	4	20
p,p-DDD	N.D.	0.0061	0.020	ug/l	114	114	42-155	0	20
p,p-DDT	N.D.	0.0040	0.020	ug/l	110	110	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	100	100	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	95	105	62-135	10	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	100	100	66-131	0	20
Endosulfan Sulfate	N.D.	0.0062	0.020	ug/l	95	100	56-140	5	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	95	95	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	120	120	49-155	0	20
Batch number: 05227102201A	Sample number(s): 4582268-4582269								
Total Cyanide	N.D.	0.18	0.50	mg/kg	103		90-110		
Batch number: 05227102201B	Sample number(s): 4582270-4582279								
Total Cyanide	N.D.	0.18	0.50	mg/kg	103		90-110		
Batch number: 05227113201B	Sample number(s): 4582268-4582271								
Phenols	N.D.	1.2	3.5	mg/kg	92		80-120		
Batch number: 05227117101A	Sample number(s): 4582294-4582295								
Total Cyanide	N.D.	0.0050	0.010	mg/l	106		90-110		
Batch number: 052275708002	Sample number(s): 4582274-4582293								
Thallium	N.D.	0.960	2.00	mg/kg	105		76-125		
Arsenic	N.D.	0.670	2.00	mg/kg	95		80-120		
Selenium	N.D.	0.960	2.00	mg/kg	102		74-126		
Antimony	0.894 J	0.820	2.00	mg/kg	70		3-223		
Barium	0.120 J	0.0880	0.500	mg/kg	103		75-125		
Beryllium	N.D.	0.0430	0.500	mg/kg	97		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	98		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	100		78-121		
Copper	N.D.	0.300	1.00	mg/kg	102		80-120		
Lead	N.D.	0.780	2.00	mg/kg	99		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	96		78-122		
Silver	N.D.	0.190	0.500	mg/kg	113		49-150		
Zinc	0.630 J	0.460	2.00	mg/kg	93		46-154		
Batch number: 052275711002	Sample number(s): 4582274-4582293								
Mercury	N.D.	0.0027	0.100	mg/kg	81		66-133		
Batch number: 05228102201B	Sample number(s): 4582280								
Total Cyanide	N.D.	0.18	0.50	mg/kg	107		90-110		
Batch number: 05228SLB026	Sample number(s): 4582275								
1,4-Dioxane	N.D.	100.	500.	ug/kg	44		14-81		

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Phenol	N.D.	33.	170.	ug/kg	77		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	87		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	82		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	77		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	87		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	89		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	93		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	69		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	84		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	76		47-110		
Pyrene	N.D.	33.	170.	ug/kg	109		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	91		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	98		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	86		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	92		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	95		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	70		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	89		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	83		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	80		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	82		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	79		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	102		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	88		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	83		68-105		
Isophorone	N.D.	33.	170.	ug/kg	81		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	95		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	86		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	88		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	84		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	69		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	106		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	90		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	91		75-108		
Fluorene	N.D.	33.	170.	ug/kg	87		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	87		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	93		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	96		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	101		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	98		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	92		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	96		70-107		
Anthracene	N.D.	33.	170.	ug/kg	97		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	97		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	89		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	86		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	90		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	95		73-111		
Chrysene	N.D.	33.	170.	ug/kg	99		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	66		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	89		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	89		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	95		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	86		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	101		72-117		

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	97		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	103		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	102		66-120		
Batch number: 05229102201A	Sample number(s): 4582281								
Total Cyanide	0.27 J	0.18	0.50	mg/kg	107		90-110		
Batch number: 05229120101A	Sample number(s): 4582294-4582295								
Phenols	N.D.	0.0090	0.030	mg/l	93	93	83-108	0	20
Batch number: 05230113201A	Sample number(s): 4582272-4582281								
Phenols	N.D.	1.2	3.5	mg/kg	98		80-120		
Batch number: N052272AB	Sample number(s): 4582294-4582295								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	97	97	77-127	0	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	96	98	57-141	2	30
Chloromethane	N.D.	1.	5.	ug/l	101	98	59-177	3	30
Vinyl Chloride	N.D.	1.	5.	ug/l	99	99	71-134	0	30
Bromomethane	N.D.	1.	5.	ug/l	73	67	62-131	8	30
Chloroethane	N.D.	1.	5.	ug/l	83	80	67-127	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	104	103	70-148	1	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	106	104	79-130	1	30
Methylene Chloride	N.D.	2.	5.	ug/l	106	104	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	104	103	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	102	101	83-127	1	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	106	106	84-117	0	30
Chloroform	N.D.	0.8	5.	ug/l	101	100	86-124	1	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	98	98	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	98	97	77-130	1	30
Benzene	N.D.	0.5	5.	ug/l	107	106	85-117	1	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	96	95	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	105	104	87-117	0	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	105	105	80-117	1	30
Bromodichloromethane	N.D.	1.	5.	ug/l	92	93	83-121	0	30
Toluene	N.D.	0.7	5.	ug/l	93	94	85-115	0	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	95	95	86-113	0	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	96	94	74-125	2	30
Dibromochloromethane	N.D.	1.	5.	ug/l	86	89	78-119	3	30
Chlorobenzene	N.D.	0.8	5.	ug/l	94	95	85-115	0	30
Ethylbenzene	N.D.	0.8	5.	ug/l	91	92	82-119	0	30
Bromoform	N.D.	1.	5.	ug/l	85	89	69-118	4	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	89	88	72-119	1	30
1,2-Dibromoethane	N.D.	1.	5.	ug/l	92	93	81-114	1	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	84	85	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	102	102	78-114	1	30
Xylene (Total)	N.D.	0.8	5.	ug/l	92	93	83-113	1	30
Acrylonitrile	N.D.	4.	20.	ug/l	103	101	55-137	2	30
Acrolein	N.D.	40.	100.	ug/l	91	91	28-146	0	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	97	99	53-133	1	30
Batch number: Q052282AA	Sample number(s): 4582270-4582272, 4582274								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	105	101	75-125	4	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	85	89	51-160	5	30
Chloromethane	N.D.	100.	250.	ug/kg	77	78	62-132	1	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	77	78	66-124	1	30

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromomethane	N.D.	100.	250.	ug/kg	81	87	59-127	8	30
Chloroethane	N.D.	100.	200.	ug/kg	79	82	63-120	4	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	81	84	65-138	3	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	102	106	69-133	3	30
Methylene Chloride	N.D.	100.	250.	ug/kg	107	108	75-120	1	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	102	100	77-124	2	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	107	103	79-124	4	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	107	104	76-120	2	30
Chloroform	N.D.	50.	250.	ug/kg	103	101	81-117	2	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	104	101	74-127	3	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	98	97	69-130	1	30
Benzene	N.D.	25.	250.	ug/kg	105	103	77-119	2	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	106	103	76-126	2	30
Trichloroethene	N.D.	50.	250.	ug/kg	101	101	81-114	0	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	106	104	78-119	2	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	104	102	77-116	1	30
Toluene	N.D.	50.	250.	ug/kg	102	91	81-116	11	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	96	92	74-117	3	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	89	87	73-127	3	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	97	94	73-116	3	30
Chlorobenzene	N.D.	50.	250.	ug/kg	92	89	81-112	3	30
Ethylbenzene	N.D.	50.	250.	ug/kg	98	91	82-115	7	30
Bromoform	N.D.	50.	250.	ug/kg	92	89	64-125	4	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	100	88	64-121	13	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	95	91	77-114	5	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	92	87	72-119	5	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	106	103	72-117	3	30
Xylene (Total)	N.D.	50.	250.	ug/kg	105	94	82-117	11	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	108	103	9-208	4	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	93	87	33-143	6	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	100	97	56-129	3	30

Batch number: R052291AB  
Methyl Tertiary Butyl Ether  
t-Butyl alcohol  
Chloromethane  
Vinyl Chloride  
Bromomethane  
Chloroethane  
Trichlorofluoromethane  
1,1-Dichloroethene  
Methylene Chloride  
trans-1,2-Dichloroethene  
1,1-Dichloroethane  
cis-1,2-Dichloroethene  
Chloroform  
1,1,1-Trichloroethane  
Carbon Tetrachloride  
Benzene  
1,2-Dichloroethane  
Trichloroethene  
1,2-Dichloropropane  
Bromodichloromethane  
Toluene  
1,1,2-Trichloroethane

Sample number(s): 4582281

N.D.	25.	250.	ug/kg	103	96	75-125	7	30
N.D.	1,000.	5,000.	ug/kg	104	97	51-160	7	30
N.D.	100.	250.	ug/kg	89	83	62-132	7	30
N.D.	50.	250.	ug/kg	89	84	66-124	6	30
N.D.	100.	250.	ug/kg	106	96	59-127	10	30
N.D.	100.	200.	ug/kg	100	106	63-120	6	30
N.D.	100.	250.	ug/kg	98	92	65-138	7	30
N.D.	50.	250.	ug/kg	99	91	69-133	9	30
N.D.	100.	250.	ug/kg	104	97	75-120	7	30
N.D.	50.	250.	ug/kg	104	94	77-124	10	30
N.D.	50.	250.	ug/kg	107	98	79-124	9	30
N.D.	50.	250.	ug/kg	107	97	76-120	9	30
N.D.	50.	250.	ug/kg	108	98	81-117	9	30
N.D.	50.	250.	ug/kg	104	93	74-127	10	30
N.D.	50.	250.	ug/kg	100	91	69-130	10	30
N.D.	25.	250.	ug/kg	107	98	77-119	9	30
N.D.	50.	250.	ug/kg	106	98	76-126	7	30
N.D.	50.	250.	ug/kg	105	95	81-114	10	30
N.D.	50.	250.	ug/kg	107	97	78-119	10	30
N.D.	50.	250.	ug/kg	102	93	77-116	9	30
N.D.	50.	250.	ug/kg	105	97	81-116	8	30
N.D.	50.	250.	ug/kg	106	99	74-117	7	30

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Tetrachloroethene	N.D.	50.	250.	ug/kg	100	91	73-127	10	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	104	98	73-116	6	30
Chlorobenzene	N.D.	50.	250.	ug/kg	105	98	81-112	8	30
Ethylbenzene	N.D.	50.	250.	ug/kg	106	97	82-115	9	30
Bromoform	N.D.	50.	250.	ug/kg	101	96	64-125	5	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	104	99	64-121	4	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	105	100	77-114	5	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	108	102	72-119	6	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	107	99	72-117	8	30
Xylene (Total)	N.D.	50.	250.	ug/kg	105	96	82-117	9	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	109	107	9-208	2	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	88	87	33-143	1	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	100	96	56-129	4	30

Batch number: R052292AB	Sample number(s): 4582296								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	103	103	75-125	0	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	100	101	51-160	1	30
Chloromethane	N.D.	100.	250.	ug/kg	81	81	62-132	0	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	79	79	66-124	0	30
Bromomethane	N.D.	100.	250.	ug/kg	100	97	59-127	3	30
Chloroethane	N.D.	100.	200.	ug/kg	93	86	63-120	7	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	94	92	65-138	2	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	92	91	69-133	1	30
Methylene Chloride	N.D.	100.	250.	ug/kg	102	102	75-120	0	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	97	96	77-124	1	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	103	102	79-124	0	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	102	103	76-120	1	30
Chloroform	N.D.	50.	250.	ug/kg	103	105	81-117	2	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	97	96	74-127	1	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	94	92	69-130	2	30
Benzene	N.D.	25.	250.	ug/kg	102	102	77-119	1	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	107	106	76-126	1	30
Trichloroethene	N.D.	50.	250.	ug/kg	99	99	81-114	0	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	104	104	78-119	0	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	99	99	77-116	1	30
Toluene	N.D.	50.	250.	ug/kg	101	100	81-116	1	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	105	103	74-117	1	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	93	94	73-127	2	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	101	102	73-116	0	30
Chlorobenzene	N.D.	50.	250.	ug/kg	102	102	81-112	0	30
Ethylbenzene	N.D.	50.	250.	ug/kg	100	99	82-115	1	30
Bromoform	N.D.	50.	250.	ug/kg	98	98	64-125	1	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	105	104	64-121	1	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	104	104	77-114	0	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	105	105	72-119	0	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	103	104	72-117	1	30
Xylene (Total)	N.D.	50.	250.	ug/kg	99	98	82-117	0	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	111	112	9-208	1	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	91	91	33-143	1	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	103	102	56-129	2	30

Batch number: X052271AA	Sample number(s): 4582268-4582269, 4582273, 4582275-4582278								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	89	88	75-125	1	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	127	127	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	119	116	62-132	2	30

\*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Vinyl Chloride	N.D.	1.	5.	ug/kg	106	107	66-124	1	30
Bromomethane	N.D.	2.	5.	ug/kg	97	96	59-127	1	30
Chloroethane	N.D.	2.	4.	ug/kg	110	108	63-120	2	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	89	89	65-138	0	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	93	93	69-133	1	30
Methylene Chloride	N.D.	2.	5.	ug/kg	100	100	75-120	1	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	94	77-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	106	105	79-124	1	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	98	96	76-120	3	30
Chloroform	N.D.	1.	5.	ug/kg	98	97	81-117	1	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91	92	74-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	89	88	69-130	1	30
Benzene	N.D.	0.5	5.	ug/kg	104	104	77-119	0	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	95	93	76-126	3	30
Trichloroethene	N.D.	1.	5.	ug/kg	99	98	81-114	1	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	114	113	78-119	0	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	93	94	77-116	1	30
Toluene	N.D.	1.	5.	ug/kg	106	108	81-116	2	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	103	104	74-117	0	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	98	97	73-127	1	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	93	93	73-116	0	30
Chlorobenzene	N.D.	1.	5.	ug/kg	102	101	81-112	1	30
Ethylbenzene	N.D.	1.	5.	ug/kg	105	105	82-115	0	30
Bromoform	N.D.	1.	5.	ug/kg	88	85	64-125	3	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	114	106	64-121	7	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	97	96	77-114	2	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	102	103	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	100	99	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	103	104	82-117	1	30
Acrolein	N.D.	20.	40.	ug/kg	98	86	33-143	13	30
Acrylonitrile	N.D.	4.	20.	ug/kg	103	92	56-129	11	30

Batch number: X052271AB

Sample number(s): 4582279-4582280

Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	89	88	75-125	1	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	127	127	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	119	116	62-132	2	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	106	107	66-124	1	30
Bromomethane	N.D.	2.	5.	ug/kg	97	96	59-127	1	30
Chloroethane	N.D.	2.	4.	ug/kg	110	108	63-120	2	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	89	89	65-138	0	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	93	93	69-133	1	30
Methylene Chloride	N.D.	2.	5.	ug/kg	100	100	75-120	1	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	94	77-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	106	105	79-124	1	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	98	96	76-120	3	30
Chloroform	N.D.	1.	5.	ug/kg	98	97	81-117	1	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91	92	74-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	89	88	69-130	1	30
Benzene	N.D.	0.5	5.	ug/kg	104	104	77-119	0	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	95	93	76-126	3	30
Trichloroethene	N.D.	1.	5.	ug/kg	99	98	81-114	1	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	114	113	78-119	0	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	93	94	77-116	1	30
Toluene	N.D.	1.	5.	ug/kg	106	108	81-116	2	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	103	104	74-117	0	30

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Tetrachloroethene	N.D.	1.	5.	ug/kg	98	97	73-127	1	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	93	93	73-116	0	30
Chlorobenzene	N.D.	1.	5.	ug/kg	102	101	81-112	1	30
Ethylbenzene	N.D.	1.	5.	ug/kg	105	105	82-115	0	30
Bromoform	N.D.	1.	5.	ug/kg	88	85	64-125	3	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	114	106	64-121	7	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	97	96	77-114	2	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	102	103	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	100	99	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	103	104	82-117	1	30
Acrolein	N.D.	20.	40.	ug/kg	98	86	33-143	13	30
Acrylonitrile	N.D.	4.	20.	ug/kg	103	92	56-129	11	30

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup		
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	RPD	Max
Batch number: 052245713002 Mercury	Sample number(s): 4582294-4582295 102	101	80-120	1	20	N.D.	N.D.	56* (1)	20	
Batch number: 05224820002A Moisture	Sample number(s): 4582288-4582291,4582293 7.0						6.8	2	15	
Batch number: 05224820002B Moisture	Sample number(s): 4582292					8.1	8.2	2	15	
Batch number: 05224820003A Moisture	Sample number(s): 4582277-4582286					5.9	5.8	1	15	
Batch number: 05224820003B Moisture	Sample number(s): 4582268-4582276,4582287 7.6						7.8	2	15	
Batch number: 05224SLB026	Sample number(s): 4582268-4582274,4582276-4582281									
1,4-Dioxane	24	34	6-84	32*	30					
Phenol	72	79	48-128	8	30					
2-Chlorophenol	75	83	36-140	10	30					
1,4-Dichlorobenzene	51	62	46-115	20	30					
N-Nitroso-di-n-propylamine	66	73	42-132	11	30					
1,2,4-Trichlorobenzene	67	79	62-114	15	30					
4-Chloro-3-methylphenol	76	85	42-147	11	30					
Acenaphthene	85	96	47-137	12	30					
4-Nitrophenol	64	70	30-151	8	30					
2,4-Dinitrotoluene	73	81	66-126	11	30					
Pentachlorophenol	69	77	22-126	11	30					
Pyrene	93	108	25-159	13	30					
1-Methylnaphthalene	79	89	60-128	11	30					
2-Nitrophenol	85	97	53-140	13	30					
2,4-Dimethylphenol	79	89	44-131	12	30					
2,4-Dichlorophenol	81	92	60-123	13	30					
2,4,6-Trichlorophenol	89	100	51-128	11	30					
2,4-Dinitrophenol	49	60	20-152	20	30					

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	Max
4,6-Dinitro-2-methylphenol	64	79	14-136	21	30			
N-Nitrosodimethylamine	64	67	56-110	6	30			
bis(2-Chloroethyl)ether	64	74	60-110	13	30			
1,3-Dichlorobenzene	48*	60	52-112	22	30			
1,2-Dichlorobenzene	51*	62	56-108	19	30			
bis(2-Chloroisopropyl)ether	76	90	38-157	17	30			
Hexachloroethane	53	65	30-130	22	30			
Nitrobenzene	66	77	65-113	15	30			
Isophorone	69	81	55-116	16	30			
bis(2-Chloroethoxy)methane	83	96	63-128	15	30			
Naphthalene	68	79	54-121	15	30			
Hexachlorobutadiene	64	81	43-132	23	30			
Hexachlorocyclopentadiene	34	49	5-175	35*	30			
2-Chloronaphthalene	63	71	51-100	12	30			
Acenaphthylene	97	108	66-137	11	30			
Dimethylphthalate	80	91	70-112	13	30			
2,6-Dinitrotoluene	82	95	66-116	15	30			
Fluorene	80	90	48-130	12	30			
4-Chlorophenyl-phenylether	82	92	50-128	12	30			
Diethylphthalate	82	95	71-112	14	30			
1,2-Diphenylhydrazine	90	100	26-141	11	30			
N-Nitrosodiphenylamine	96	105	59-133	9	30			
4-Bromophenyl-phenylether	97	105	69-119	8	30			
Hexachlorobenzene	84	94	59-130	12	30			
Phenanthrene	85	95	28-155	11	30			
Anthracene	87	100	47-135	14	30			
Di-n-butylphthalate	92	107	67-119	15	30			
Fluoranthene	80	92	32-137	14	30			
Benzidine	42	50	20-173	16	30			
Butylbenzylphthalate	85	101	55-131	18	30			
Benzo(a)anthracene	88	98	39-144	11	30			
Chrysene	87	100	38-144	13	30			
3,3'-Dichlorobenzidine	49	50	10-133	3	30			
bis(2-Ethylhexyl)phthalate	86	101	54-141	16	30			
Di-n-octylphthalate	87	103	47-144	18	30			
Benzo(b)fluoranthene	74	84	24-155	11	30			
Benzo(k)fluoranthene	86	100	2-176	15	30			
Benzo(a)pyrene	90	106	38-142	15	30			
Indeno(1,2,3-cd)pyrene	90	99	1-186	10	30			
Dibenz(a,h)anthracene	95	108	44-154	13	30			
Benzo(g,h,i)perylene	93	104	32-150	11	30			
Batch number: 052250002A Sample number(s): 4582268-4582281								
Gamma BHC - Lindane	93	100	43-154	7	35			
Heptachlor	95	95	70-138	1	35			
Aldrin	108	109	58-159	1	35			
p,p-DDT	113	111	62-166	1	35			
Dieldrin	122	123	68-139	1	35			
Endrin	112	112	48-188	1	35			
Methoxychlor	124	122	74-162	2	35			
Alpha BHC	98	97	64-134	0	35			
Beta BHC	97	98	31-176	1	35			
Delta BHC	101	100	68-158	1	35			
Heptachlor Epoxide	185*	254*	69-133	31	35			

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
p,p-DDE	121	121	48-175	1	35			
p,p-DDD	134	132	52-181	2	35			
Endosulfan I	142	123	41-166	14	35			
Endosulfan II	116	113	65-144	3	35			
Endosulfan Sulfate	116	112	65-154	3	35			
Endrin Aldehyde	114	99	63-125	13	35			
Batch number: 052250010A	Sample number(s): 4582294							
Ethylene dibromide	96		65-135		N.D.	N.D.	0 (1)	30
Batch number: 052261848003	Sample number(s): 4582294-4582295							
Thallium	103	102	89-112	0	20	N.D.	N.D.	107* (1)
Arsenic	109	109	86-119	0	20	0.0400	0.0401	0 (1)
Selenium	89	87	80-120	2	20	N.D.	N.D.	26* (1)
Antimony	106	106	80-120	0	20	0.0603	0.0697	15 (1)
Barium	103	103	82-113	0	20	0.0894	0.0864	3
Beryllium	105	105	91-117	0	20	N.D.	N.D.	114* (1)
Cadmium	104	105	87-117	1	20	N.D.	N.D.	12 (1)
Chromium	107	106	86-118	0	20	0.146	0.146	0
Copper	107	106	89-119	1	20	0.0029 J	0.0026 J	8 (1)
Lead	109	110	87-118	0	20	0.0373	0.0364	2 (1)
Nickel	107	107	91-111	0	20	0.0997	0.0988	1
Silver	110	110	80-120	0	20	N.D.	N.D.	39* (1)
Zinc	102	102	80-120	1	20	0.0328	0.0243	30* (1)
Batch number: 052265708001	Sample number(s): 4582268-4582273							
Thallium	96	97	84-105	1	20	N.D.	N.D.	24* (1)
Arsenic	102	102	76-110	0	20	6.28	7.05	12 (1)
Selenium	103	103	80-120	1	20	N.D.	N.D.	21* (1)
Antimony	84	84	80-120	1	20	N.D.	N.D.	596* (1)
Beryllium	107	106	89-114	1	20	0.448 J	0.489 J	9 (1)
Cadmium	95	95	80-120	0	20	0.391 J	0.461 J	16 (1)
Chromium	106	98	80-120	4	20	25.2	25.1	1
Copper	116	113	80-120	2	20	21.9	23.7	8
Lead	98	79*	80-120	12	20	37.3	31.6	17
Nickel	97	94	80-120	2	20	16.0	16.5	3
Silver	111	112	80-120	1	20	N.D.	N.D.	1933* (1)
Zinc	79*	92	80-120	5	20	88.2	90.6	3
Batch number: 052265711001	Sample number(s): 4582268-4582273							
Mercury	(2)	(2)	80-120	15	20	8.17	11.4	33* (1)
Batch number: 05227102201A	Sample number(s): 4582268-4582269							
Total Cyanide	94		52-135		N.D.	N.D.	0 (1)	17
Batch number: 05227102201B	Sample number(s): 4582270-4582279							
Total Cyanide	85		52-135		N.D.	N.D.	0 (1)	17
Batch number: 05227113201B	Sample number(s): 4582268-4582271							
Phenols	89	118	38-175	27*	26			
Batch number: 05227117101A	Sample number(s): 4582294-4582295							
Total Cyanide	16*		82-114		N.D.	N.D.	125* (1)	20

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	Max
Batch number: 052275708002	Sample number(s): 4582274-4582293							
Thallium	97	97	84-105	0	20	N.D.	1.01 J	164* (1)
Arsenic	100	100	76-110	0	20	0.821 J	0.825 J	0 (1)
Selenium	100	101	80-120	0	20	N.D.	N.D.	188* (1)
Antimony	102	103	80-120	1	20	N.D.	N.D.	82* (1)
Barium	109	110	80-120	1	20	26.5	25.0	6
Beryllium	98	98	89-114	0	20	0.0567 J	0.0606 J	7 (1)
Cadmium	99	100	75-125	1	20	0.348 J	0.322 J	8 (1)
Chromium	91	253*	80-120	72*	20	10.3	13.2	24*
Copper	106	108	80-120	2	20	9.74	8.99	8
Lead	95	107	75-125	7	20	29.0	30.2	4
Nickel	94	95	80-120	1	20	3.91	3.25	18 (1)
Silver	112	113	80-120	1	20	N.D.	N.D.	62* (1)
Zinc	(2)	(2)	75-125	19	20	2,170.	2,130.	2
Batch number: 052275711002	Sample number(s): 4582274-4582293							
Mercury	102	81	80-120	5	20	0.557	0.582	4
Batch number: 05228102201B	Sample number(s): 4582280							
Total Cyanide	71		52-135			N.D.	N.D.	114* (1)
Batch number: 05228SLB026	Sample number(s): 4582275							
1,4-Dioxane	45	43	6-84	4	30			
Phenol	68	65	48-128	4	30			
2-Chlorophenol	76	73	36-140	4	30			
1,4-Dichlorobenzene	87	83	46-115	4	30			
N-Nitroso-di-n-propylamine	78	76	42-132	2	30			
1,2,4-Trichlorobenzene	88	89	62-114	1	30			
4-Chloro-3-methylphenol	76	74	42-147	3	30			
Acenaphthene	91	89	47-137	2	30			
4-Nitrophenol	49	45	30-151	7	30			
2,4-Dinitrotoluene	73	74	66-126	2	30			
Pentachlorophenol	37	34	22-126	9	30			
Pyrene	60	56	25-159	7	30			
1-Methylnaphthalene	88	88	60-128	1	30			
2-Nitrophenol	93	94	53-140	1	30			
2,4-Dimethylphenol	20*	20*	44-131	4	30			
2,4-Dichlorophenol	80	79	60-123	0	30			
2,4,6-Trichlorophenol	81	80	51-128	1	30			
2,4-Dinitrophenol	26	24	20-152	6	30			
4,6-Dinitro-2-methylphenol	41	43	14-136	5	30			
N-Nitrosodimethylamine	76	78	56-110	3	30			
bis(2-Chloroethyl)ether	84	82	60-110	2	30			
1,3-Dichlorobenzene	86	83	52-112	4	30			
1,2-Dichlorobenzene	81	81	56-108	1	30			
bis(2-Chloroisopropyl)ether	109	106	38-157	3	30			
Hexachloroethane	95	92	30-130	3	30			
Nitrobenzene	84	82	65-113	3	30			
Isophorone	82	80	55-116	2	30			
bis(2-Chloroethoxy)methane	97	97	63-128	0	30			
Naphthalene	86	84	54-121	2	30			
Hexachlorobutadiene	95	95	43-132	0	30			
Hexachlorocyclopentadiene	102	108	5-175	6	30			
2-Chloronaphthalene	66	65	51-100	2	30			

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Analysis Name								Max
Acenaphthylene	101	98	66-137	2	30			
Dimethylphthalate	88	89	70-112	1	30			
2,6-Dinitrotoluene	87	87	66-116	1	30			
Fluorene	79	76	48-130	4	30			
4-Chlorophenyl-phenylether	86	86	50-128	0	30			
Diethylphthalate	89	89	71-112	0	30			
1,2-Diphenylhydrazine	92	87	26-141	6	30			
N-Nitrosodiphenylamine	97	99	59-133	2	30			
4-Bromophenyl-phenylether	98	97	69-119	1	30			
Hexachlorobenzene	85	85	59-130	1	30			
Phenanthrene	72	71	28-155	1	30			
Anthracene	66	63	47-135	6	30			
Di-n-butylphthalate	99	99	67-119	1	30			
Fluoranthene	52	50	32-137	4	30			
Benzidine	0*	0*	20-173	0	30			
Butylbenzylphthalate	87	85	55-131	2	30			
Benzo(a)anthracene	25*	23*	39-144	9	30			
Chrysene	26*	24*	38-144	9	30			
3,3'-Dichlorobenzidine	4*	0*	10-133	200*	30			
bis(2-Ethylhexyl)phthalate	84	83	54-141	1	30			
Di-n-octylphthalate	93	93	47-144	0	30			
Benzo(b)fluoranthene	13*	12*	24-155	7	30			
Benzo(k)fluoranthene	12	11	2-176	14	30			
Benzo(a)pyrene	9*	8*	38-142	12	30			
Indeno(1,2,3-cd)pyrene	3	3	1-186	14	30			
Dibenz(a,h)anthracene	4*	4*	44-154	9	30			
Benzo(g,h,i)perylene	3*	3*	32-150	8	30			
Batch number: 05229102201A	Sample number(s): 4582281							
Total Cyanide	33*		52-135			N.D.	0.19 J	8 (1) 17
Batch number: 05230113201A	Sample number(s): 4582272-4582281							
Phenols	113	82	38-175	17	26			
Batch number: N052272AB	Sample number(s): 4582294-4582295							
Methyl Tertiary Butyl Ether	122		69-134					
t-Butyl alcohol	102		51-147					
Chloromethane	106		72-208					
Vinyl Chloride	111		81-150					
Bromomethane	72		59-143					
Chloroethane	92		63-142					
Trichlorofluoromethane	115		77-177					
1,1-Dichloroethene	125		87-145					
Methylene Chloride	117		79-133					
trans-1,2-Dichloroethene	121		82-133					
1,1-Dichloroethane	114		85-135					
cis-1,2-Dichloroethene	119		83-126					
Chloroform	115		82-131					
1,1,1-Trichloroethane	114		81-142					
Carbon Tetrachloride	113		79-155					
Benzene	124		83-128					
1,2-Dichloroethane	107		73-136					
Trichloroethene	120		83-136					
1,2-Dichloropropane	115		83-129					

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Bromodichloromethane	104		80-129					
Toluene	105		83-127					
1,1,2-Trichloroethane	113		77-125					
Tetrachloroethene	104		78-133					
Dibromochloromethane	95		73-119					
Chlorobenzene	104		83-120					
Ethylbenzene	103		82-129					
Bromoform	92		64-119					
1,1,2,2-Tetrachloroethane	94		69-121					
1,2-Dibromoethane	101		78-120					
trans-1,3-Dichloropropene	91		75-117					
cis-1,3-Dichloropropene	111		76-117					
Xylene (Total)	107		82-130					
Acrylonitrile	116		54-132					
Acrolein	97		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					

Batch number: X052271AA	Sample number(s): 4582268-4582269,4582273,4582275-4582278	
Methyl Tertiary Butyl Ether	99	49-140
t-Butyl alcohol	146	46-148
Chloromethane	134*	60-132
Vinyl Chloride	127*	60-126
Bromomethane	105	52-121
Chloroethane	125*	60-122
Trichlorofluoromethane	109	53-142
1,1-Dichloroethene	100	62-133
Methylene Chloride	61	59-135
trans-1,2-Dichloroethene	98	64-125
1,1-Dichloroethane	114	65-125
cis-1,2-Dichloroethene	101	63-125
Chloroform	102	65-126
1,1,1-Trichloroethane	97	59-134
Carbon Tetrachloride	95	53-138
Benzene	110	67-123
1,2-Dichloroethane	98	62-130
Trichloroethene	101	62-126
1,2-Dichloropropane	119	64-120
Bromodichloromethane	97	65-118
Toluene	114	55-125
1,1,2-Trichloroethane	107	62-122
Tetrachloroethene	102	45-151
Dibromochloromethane	97	62-120
Chlorobenzene	103	62-116
Ethylbenzene	108	50-127
Bromoform	88	52-123
1,1,2,2-Tetrachloroethane	133	37-142
1,2-Dibromoethane	100	62-116
trans-1,3-Dichloropropene	104	61-121
cis-1,3-Dichloropropene	101	54-122
Xylene (Total)	105	54-123
Acrolein	99	12-136
Acrylonitrile	105	47-125

Batch number: X052271AB      Sample number(s): 4582279-4582280

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Methyl Tertiary Butyl Ether	99		49-140					
t-Butyl alcohol	146		46-148					
Chloromethane	134*		60-132					
Vinyl Chloride	127*		60-126					
Bromomethane	105		52-121					
Chloroethane	125*		60-122					
Trichlorofluoromethane	109		53-142					
1,1-Dichloroethene	100		62-133					
Methylene Chloride	61		59-135					
trans-1,2-Dichloroethene	98		64-125					
1,1-Dichloroethane	114		65-125					
cis-1,2-Dichloroethene	101		63-125					
Chloroform	102		65-126					
1,1,1-Trichloroethane	97		59-134					
Carbon Tetrachloride	95		53-138					
Benzene	110		67-123					
1,2-Dichloroethane	98		62-130					
Trichloroethene	101		62-126					
1,2-Dichloropropane	119		64-120					
Bromodichloromethane	97		65-118					
Toluene	114		55-125					
1,1,2-Trichloroethane	107		62-122					
Tetrachloroethene	102		45-151					
Dibromochloromethane	97		62-120					
Chlorobenzene	103		62-116					
Ethylbenzene	108		50-127					
Bromoform	88		52-123					
1,1,2,2-Tetrachloroethane	133		37-142					
1,2-Dibromoethane	100		62-116					
trans-1,3-Dichloropropene	104		61-121					
cis-1,3-Dichloropropene	101		54-122					
Xylene (Total)	105		54-123					
Acrolein	99		12-136					
Acrylonitrile	105		47-125					

### Surrogate Quality Control

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05224SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4582268	79	81	80	61
4582269	77	81	81	69
4582270	78	84	72	81
4582271	102	112	104	91
4582272	75	76	72	71
4582273	70	76	78	69
4582274	77	84	88	95
4582276	81	87	95	84
4582277	73	75	87	61
4582278	80	84	87	63

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Surrogate Quality Control

4582279	68	71	81	59
4582280	69	78	86	69
4582281	75	78	92	68
Blank	84	97	86	91
LCS	89	103	82	86
MS	75	83	76	66
MSD	78	84	86	70

Limits:	45-120	50-118	46-136	47-128
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2-Fluorobiphenyl	Terphenyl-d14
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4582268	79	103
4582269	88	108
4582270	92	105
4582271	101	118
4582272	84	96
4582273	82	102
4582274	98	124
4582276	99	127
4582277	88	108
4582278	75	106
4582279	71	99
4582280	82	114
4582281	87	114
Blank	105	114
LCS	95	107
MS	82	98
MSD	92	115

Limits:	55-123	51-158
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Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05224WAB026

2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
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4582294	54	32	94	92
4582295	55	33	92	86
Blank	53	31	94	89
LCS	58	35	95	90
LCSD	62	39	95	92

Limits:	10-99	10-80	31-148	51-123
---------	-------	-------	--------	--------

2-Fluorobiphenyl	Terphenyl-d14
------------------	---------------

4582294	92	98
4582295	91	94
Blank	91	97
LCS	96	100
LCSD	97	99

Limits:	64-112	52-151
---------	--------	--------

Analysis Name: Pesticides/PCBs in Solids

Batch number: 052250002A

Tetrachloro-m-xylene	Decachlorobiphenyl
----------------------	--------------------

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Surrogate Quality Control

4582268	94	199*
4582269	94	129
4582270	78	108
4582271	1799*	603*
4582272	73	141
4582273	55*	504*
4582274	882*	3847*
4582275	93	109
4582276	0*	30798*
4582277	48*	2447*
4582278	171*	217*
4582279	150*	896*
4582280	122	701*
4582281	260*	555*
Blank	99	113
LCS	95	114
MS	100	176*
MSD	98	171*

Limits: 58-149 62-159

Analysis Name: EDB in Wastewater  
Batch number: 052250010A  
1,1,2,2-  
Tetrachloroethane

4582294	78
Blank	103
DUP	91
LCS	101
LCSD	102
MS	104

Limits: 52-120

Analysis Name: PPL Pesticides in Water  
Batch number: 052270017A  
Tetrachloro-m-xylene Decachlorobiphenyl

4582294	93	103
4582295	95	101
Blank	91	104
LCS	92	100
LCSD	97	107

Limits: 45-125 47-155

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05228SLB026  
Phenol-d6 2-Fluorophenol 2,4,6-Tribromophenol Nitrobenzene-d5

4582275	85	98	88	85
Blank	78	90	83	83
LCS	83	94	84	88
MS	71	77	55	87
MSD	72	79	61	86

Limits: 45-120 50-118 46-136 47-128

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Surrogate Quality Control

2-Fluorobiphenyl		Terphenyl-d14		
4582275	99	98		
Blank	96	101		
LCS	94	110		
MS	96	86		
MSD	97	85		
Limits:	55-123	51-158		
Analysis Name: 8260 Special Cmpds for Waters				
Batch number: N052272AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4582294	99	101	95	89
4582295	100	102	95	88
Blank	100	102	95	88
LCS	100	104	96	93
LCSD	101	104	96	93
MS	101	104	96	93
Limits:	81-120	82-112	85-112	83-113
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: Q052282AA				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4582270	95	94	78	89
4582271	90	88	67*	84
4582272	85	88	72	88
4582274	102	73	74	95
Blank	116	114	99	96
LCS	108	110	96	101
LCSD	102	106	89	90
Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: R052291AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4582281	81	82	74	73
Blank	97	98	93	88
LCS	92	89	89	89
LCSD	92	93	90	91
Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: R052292AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4582296	201*	202*	186*	178*
Blank	98	99	93	86
LCS	92	93	87	88
LCSD	91	92	87	88

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/01/05 at 08:59 AM

Group Number: 955099

### Surrogate Quality Control

Limits:	70-129	70-121	70-130	70-128
Analysis Name:	8260 Special Cmpds for Soils			
Batch number:	X052271AA			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4582268	84	83	94	83
4582269	85	80	95	83
4582273	87	82	104	93
4582275	82	77	94	84
4582276	103	99	120	63*
4582277	84	86	103	83
4582278	88	80	112	73
Blank	85	84	91	84
LCS	85	82	91	85
LCSD	84	81	91	85
MS	85	82	94	82
Limits:	70-129	70-121	70-130	70-128
Analysis Name:	8260 Special Cmpds for Soils			
Batch number:	X052271AB			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4582279	86	77	105	73
4582280	84	78	103	75
Blank	85	84	90	85
LCS	85	82	91	85
LCSD	84	81	91	85
MS	85	82	94	82
Limits:	70-129	70-121	70-130	70-128

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

AR101052



# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 955099

Sample Nos.: 4562269-96

Acc't No.: 11549

SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

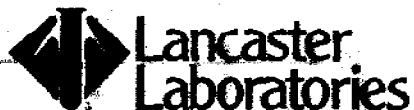
Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix		Analyses Requested										Remarks:				
Project Manager: _____		Quote #: _____																		
Project Name/#: <u>Former Metro Container Investigation</u>																				
Sampler: _____																				
P.O. #: _____																				
Name of state where samples were collected: <u>PA</u>																				
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture	PCRA 8 Metals	
05-MET-119		8/11/05	820	/		/			3	X										N (5-6.5)
05-MET-124			855	/		/			3	X										N (10.75-11.25)
05-MET-093			1010	/		/			3	X										N (6.5-7.0)
05-MET-094			1040	/		/			3	X										N (5.5-6.0)
05-MET-087			1120	/		/			3	X										N (4-4.5)
05-MET-088			1145	/		/			3	X										N (3-3.5)
05-TISD-11			925	/		/			1									X		N (0-0.5)
05-TISD-12			930	/		/			1									X		N (0-0.5)
EB081105W			1400				X		11	X										EB
EB081105S			1415																	EB
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush												Date: <u>8/11/05</u> Time: <u>1610</u>		Received by: _____		Date: <u>8/11/05</u> Time: <u>1640</u>				
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
Date results are needed: _____												Date: <u>8/11/05</u> Time: <u>1810</u>		Received by: _____		Date: _____ Time: _____				
Rush results requested by (please circle): Fax _____ Email _____												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
Fax #: _____ Email address: _____												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
Data Package Options (please circle if required)												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
QC Summary												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
Type I (Tier I)												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
Type II (Tier II)												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
Type III (NJ Reduced Del.)												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
Type IV (CLP)												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
Type VI (Raw Data)												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
GLP												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
Other												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
Site specific QC required? Yes No												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
(If yes, indicate QC sample and submit triplicate volume.)												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
Internal chain of custody required? Yes No												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				
												Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____				

Lancaster Laboratories, Inc.. 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR101053





# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 955099

Sample Nos.: 4582268-96

Acc't No.: 11549

SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u> Acc't #: <u>11549</u>		Matrix		Analyses Requested										Remarks:				
Project Manager: _____ Quote #: _____		Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture							
Project Name/ #: <u>Former Metro Container Investigation</u>																		
Sampler: _____																		
P.O. #: _____		Soil	Water	Other	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture					
Name of state where samples were collected: <u>PA</u>																		
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture	Remarks
05-TISD-01	8/11/05	835	/	/	/													N (0-0.5)
05-TISD-02		840	/	/	/													N (0-0.5)
05-TISD-03		846	/	/	/													N (0-0.5)
05-TISD-04		850	/	/	/													N (0-0.5)
05-TISD-05		856	/	/	/													N (0-0.5)
05-TISD-06		900	/	/	/													N (0-0.5)
05-TISD-07		905	/	/	/													N (0-0.5)
05-TISD-08		910	/	/	/													N (0-0.5)
05-TISD-09		914	/	/	/													N (0-0.5)
05-TISD-10		920	/	/	/													N (0-0.5)
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush								Date: <u>8/11/05</u> Time: <u>16:10</u>		Received by: _____		Date: <u>8/11/05</u> Time: <u>16:10</u>						
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)								Date: <u>8/11/05</u> Time: <u>18:10</u>		Received by: _____		Date: _____ Time: _____						
Date results are needed: _____								Relinquished by: _____		Received by: _____		Date: _____ Time: _____						
Rush results requested by (please circle): Fax _____ Email _____								Relinquished by: _____		Received by: _____		Date: _____ Time: _____						
Fax #: _____ Email address: _____								Relinquished by: _____		Received by: _____		Date: <u>8/11/05</u> Time: <u>18:10</u>						
Data Package Options (please circle if required):				SDG Complete? Yes No				Relinquished by: _____		Received by: _____		Date: _____ Time: _____						
QC Summary								Relinquished by: _____		Received by: _____		Date: _____ Time: _____						
Type I (Tier I)								Relinquished by: _____		Received by: _____		Date: _____ Time: _____						
Type II (Tier II)								Relinquished by: _____		Received by: _____		Date: _____ Time: _____						
Type III (NJ Reduced Del.)								Relinquished by: _____		Received by: _____		Date: _____ Time: _____						
Type IV (CLP)								Relinquished by: _____		Received by: _____		Date: _____ Time: _____						
Type VI (Raw Data)								Relinquished by: _____		Received by: _____		Date: <u>8/11/05</u> Time: <u>18:10</u>						
GLP								Relinquished by: _____		Received by: _____		Date: _____ Time: _____						
Other								Relinquished by: _____		Received by: _____		Date: _____ Time: _____						

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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR101054

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 955100. Samples arrived at the laboratory on Thursday, August 11, 2005. The PO# for this group is 211133.5640.010101.

**Client Description****Lancaster Labs Number**

05-MET-103 Grab Water Sample	4582297
05-MET-103 Filtered Grab Water Sample	4582298
05-MET-119 Grab Water Sample	4582299
05-MET-119 Filtered Grab Water Sample	4582300
05-MET-104 Grab Water Sample	4582301
05-MET-104 Filtered Grab Water Sample	4582302
05-MET-124 Grab Water Sample	4582303
05-MET-124 Filtered Grab Water Sample	4582304
05-MET-093 Grab Water Sample	4582305
05-MET-093 Filtered Grab Water Sample	4582306
05-MET-094 Grab Water Sample	4582307
05-MET-094 Filtered Grab Water Sample	4582308
05-MET-087 Grab Water Sample	4582309
05-MET-087 Filtered Grab Water Sample	4582310
05-MET-031 Grab Water Sample	4582311
05-MET-031 Filtered Grab Water Sample	4582312
05-MET-032 Grab Water Sample	4582313
05-MET-032 Filtered Grab Water Sample	4582314
05-MET-033 Grab Water Sample	4582315
05-MET-033 Filtered Grab Water Sample	4582316
TB081105 Trip Blank Water Sample	4582317

1 COPY TO      Montgomery Watson Harza

Attn: [REDACTED]

Questions? Contact your Client Services Representative  
[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Group Leader

**Lancaster Laboratories Sample No. WW 4582297**
**05-MET-103 Grab Water Sample**
**N(0-19)**
**Former Metro Container Investigation**

Collected: 08/11/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:53

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-103

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	55.7	6.2	20.0	ug/l	100
07022	Thallium	7440-28-0	290.	10.0	20.0	ug/l	5
07035	Arsenic	7440-38-2	4,790.	9.3	20.0	ug/l	5
07036	Selenium	7782-49-2	305.	9.4	20.0	ug/l	5
07044	Antimony	7440-36-0	97.0	6.4	20.0	ug/l	5
07047	Beryllium	7440-41-7	83.5	0.44	5.0	ug/l	5
07049	Cadmium	7440-43-9	667.	0.97	5.0	ug/l	5
07051	Chromium	7440-47-3	7,850.	4.8	15.0	ug/l	5
07053	Copper	7440-50-8	35,500.	9.0	50.0	ug/l	1
07055	Lead	7439-92-1	33,900.	8.4	20.0	ug/l	5
07061	Nickel	7440-02-0	6,380.	5.8	10.0	ug/l	5
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	5
07072	Zinc	7440-66-6	67,300.	5.3	20.0	ug/l	5
The quantitation limits for the ICP metals were increased due to high amounts of iron in the sample.							
02393	Phenols	n.a.	840.	18.	60.	ug/l	2
08255	Total Cyanide	57-12-5	21.	5.0	10.	ug/l	1
This sample was treated for sulfide using lead carbonate.							
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.40	2.0	ug/l	20
01601	Beta BHC	319-85-7	N.D.	2.4	8.0	ug/l	20
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.40	2.0	ug/l	20
01603	Delta BHC	319-86-8	N.D.	0.76	2.0	ug/l	20
01604	Heptachlor	76-44-8	N.D.	0.40	2.0	ug/l	20
01605	Aldrin	309-00-2	N.D.	1.0	4.0	ug/l	20
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.40	2.0	ug/l	20
01607	p,p-DDE	72-55-9	9.8	0.80	4.0	ug/l	20
01608	p,p-DDD	72-54-8	N.D.	1.2	4.0	ug/l	20
01609	p,p-DDT	50-29-3	4.0	1.2	4.0	ug/l	20
01610	Dieldrin	60-57-1	N.D.	2.0	6.0	ug/l	20
01611	Endrin	72-20-8	1.9 J	0.80	4.0	ug/l	20
01612	Chlordane	57-74-9	N.D.	14.	100.	ug/l	20
01613	Toxaphene	8001-35-2	N.D.	60.	200.	ug/l	20
01615	Endosulfan II	33213-65-9	N.D.	0.80	4.0	ug/l	20
01616	Endosulfan I	959-98-8	N.D.	0.40	2.0	ug/l	20
01617	Endosulfan Sulfate	1031-07-8	N.D.	1.2	4.0	ug/l	20
01618	Endrin Aldehyde	7421-93-4	N.D.	4.6	20.	ug/l	20
01619	PCB-1016	12674-11-2	N.D.	20.	100.	ug/l	20

\*=This limit was used in the evaluation of the final result

AR101058

Lancaster Laboratories Sample No. WW 4582297

05-MET-103 Grab Water Sample

N(0-19)

Former Metro Container Investigation

Collected: 08/11/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:53

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-103

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	22.	100.	ug/l	20
01621	PCB-1232	11141-16-5	N.D.	20.	100.	ug/l	20
01622	PCB-1242	53469-21-9	N.D.	20.	100.	ug/l	20
01623	PCB-1248	12672-29-6	310.	20.	100.	ug/l	20
01624	PCB-1254	11097-69-1	140.	28.	100.	ug/l	20
01626	PCB-1260	11096-82-5	N.D.	20.	100.	ug/l	20
01860	Methoxychlor	72-43-5	N.D.	6.0	20.	ug/l	20
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.010	0.030	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	200.	1,000.	ug/l	10
02752	1-Methylnaphthalene	90-12-0	N.D.	200.	1,000.	ug/l	10
03924	2-Chlorophenol	95-57-8	N.D.	200.	1,000.	ug/l	10
03925	Phenol	108-95-2	N.D.	200.	1,000.	ug/l	10
03926	2-Nitrophenol	88-75-5	N.D.	200.	1,000.	ug/l	10
03927	2,4-Dimethylphenol	105-67-9	N.D.	600.	2,000.	ug/l	10
03928	2,4-Dichlorophenol	120-83-2	N.D.	200.	1,000.	ug/l	10
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	200.	1,000.	ug/l	10
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	200.	1,000.	ug/l	10
03931	2,4-Dinitrophenol	51-28-5	N.D.	4,000.	12,000.	ug/l	10
03932	4-Nitrophenol	100-02-7	N.D.	2,000.	6,000.	ug/l	10
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1,000.	3,000.	ug/l	10
03934	Pentachlorophenol	87-86-5	N.D.	600.	3,000.	ug/l	10
03935	N-Nitrosodimethylamine	62-75-9	N.D.	400.	1,000.	ug/l	10
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	200.	1,000.	ug/l	10
03937	1,3-Dichlorobenzene	541-73-1	N.D.	200.	1,000.	ug/l	10
03938	1,4-Dichlorobenzene	106-46-7	N.D.	200.	1,000.	ug/l	10
03939	1,2-Dichlorobenzene	95-50-1	N.D.	200.	1,000.	ug/l	10
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	200.	1,000.	ug/l	10
03941	Hexachloroethane	67-72-1	N.D.	200.	1,000.	ug/l	10
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	200.	1,000.	ug/l	10
03943	Nitrobenzene	98-95-3	N.D.	200.	1,000.	ug/l	10
03944	Isophorone	78-59-1	N.D.	200.	1,000.	ug/l	10
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	200.	1,000.	ug/l	10
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	200.	1,000.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101059

Lancaster Laboratories Sample No. WW 4582297

05-MET-103 Grab Water Sample

N(0-19)

Former Metro Container Investigation

Collected: 08/11/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:53

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-103

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03947	Naphthalene	91-20-3	N.D.	200.	1,000.	ug/l	10
03948	Hexachlorobutadiene	87-68-3	N.D.	200.	1,000.	ug/l	10
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	1,000.	3,000.	ug/l	10
03950	2-Chloronaphthalene	91-58-7	N.D.	200.	1,000.	ug/l	10
03951	Acenaphthylene	208-96-8	N.D.	200.	1,000.	ug/l	10
03952	Dimethylphthalate	131-11-3	N.D.	400.	1,000.	ug/l	10
03953	2,6-Dinitrotoluene	606-20-2	N.D.	200.	1,000.	ug/l	10
03954	Acenaphthene	83-32-9	N.D.	200.	1,000.	ug/l	10
03955	2,4-Dinitrotoluene	121-14-2	N.D.	200.	1,000.	ug/l	10
03956	Fluorene	86-73-7	N.D.	200.	1,000.	ug/l	10
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	200.	1,000.	ug/l	10
03958	Diethylphthalate	84-66-2	N.D.	400.	1,000.	ug/l	10
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	200.	1,000.	ug/l	10
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	400.	1,000.	ug/l	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	200.	1,000.	ug/l	10
03962	Hexachlorobenzene	118-74-1	N.D.	200.	1,000.	ug/l	10
03963	Phenanthrene	85-01-8	200.	J 200.	1,000.	ug/l	10
03964	Anthracene	120-12-7	N.D.	200.	1,000.	ug/l	10
03965	Di-n-butylphthalate	84-74-2	N.D.	400.	1,000.	ug/l	10
03966	Fluoranthene	206-44-0	N.D.	200.	1,000.	ug/l	10
03967	Pyrene	129-00-0	270.	J 200.	1,000.	ug/l	10
03968	Benzidine	92-87-5	N.D.	4,000.	12,000.	ug/l	10
03969	Butylbenzylphthalate	85-68-7	N.D.	400.	1,000.	ug/l	10
03970	Benzo(a)anthracene	56-55-3	230.	J 200.	1,000.	ug/l	10
03971	Chrysene	218-01-9	310.	J 200.	1,000.	ug/l	10
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	400.	1,000.	ug/l	10
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	400.	1,000.	ug/l	10
03974	Di-n-octylphthalate	117-84-0	N.D.	400.	1,000.	ug/l	10
03975	Benzo(b)fluoranthene	205-99-2	N.D.	200.	1,000.	ug/l	10
03976	Benzo(k)fluoranthene	207-08-9	N.D.	200.	1,000.	ug/l	10
03977	Benzo(a)pyrene	50-32-8	260.	J 200.	1,000.	ug/l	10
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	200.	1,000.	ug/l	10
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	200.	1,000.	ug/l	10
03980	Benzo(g,h,i)perylene	191-24-2	230.	J 200.	1,000.	ug/l	10

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the

\*=This limit was used in the evaluation of the final result



Lancaster Laboratories Sample No. WW 4582297

05-MET-103 Grab Water Sample

N(0-19)

Former Metro Container Investigation

Collected: 08/11/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:53

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-103

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3.	25.	ug/l	5
02015	t-Butyl alcohol	75-65-0	110. J	50.	400.	ug/l	5
05385	Chloromethane	74-87-3	N.D.	5.	25.	ug/l	5
05386	Vinyl Chloride	75-01-4	N.D.	5.	25.	ug/l	5
05387	Bromomethane	74-83-9	N.D.	5.	25.	ug/l	5
05388	Chloroethane	75-00-3	N.D.	5.	25.	ug/l	5
05389	Trichlorofluoromethane	75-69-4	N.D.	10.	25.	ug/l	5
05390	1,1-Dichloroethene	75-35-4	N.D.	4.	25.	ug/l	5
05391	Methylene Chloride	75-09-2	N.D.	10.	25.	ug/l	5
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	4.	25.	ug/l	5
05393	1,1-Dichloroethane	75-34-3	22. J	5.	25.	ug/l	5
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	4.	25.	ug/l	5
05396	Chloroform	67-66-3	N.D.	4.	25.	ug/l	5
05398	1,1,1-Trichloroethane	71-55-6	N.D.	4.	25.	ug/l	5
05399	Carbon Tetrachloride	56-23-5	N.D.	5.	25.	ug/l	5
05401	Benzene	71-43-2	5. J	3.	25.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	N.D.	5.	25.	ug/l	5
05403	Trichloroethene	79-01-6	N.D.	5.	25.	ug/l	5
05404	1,2-Dichloropropane	78-87-5	N.D.	5.	25.	ug/l	5
05406	Bromodichloromethane	75-27-4	N.D.	5.	25.	ug/l	5
05407	Toluene	108-88-3	10. J	4.	25.	ug/l	5
05408	1,1,2-Trichloroethane	79-00-5	N.D.	4.	25.	ug/l	5
05409	Tetrachloroethene	127-18-4	N.D.	4.	25.	ug/l	5
05411	Dibromochloromethane	124-48-1	N.D.	5.	25.	ug/l	5
05413	Chlorobenzene	108-90-7	N.D.	4.	25.	ug/l	5
05415	Ethylbenzene	100-41-4	N.D.	4.	25.	ug/l	5
05419	Bromoform	75-25-2	N.D.	5.	25.	ug/l	5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.	25.	ug/l	5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.	25.	ug/l	5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.	25.	ug/l	5
06310	Xylene (Total)	1330-20-7	4. J	4.	25.	ug/l	5
06875	Acrylonitrile	107-13-1	N.D.	20.	100.	ug/l	5
06888	Acrolein	107-02-8	N.D.	200.	500.	ug/l	5
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	10.	50.	ug/l	5

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

\*=This limit was used in the evaluation of the final result

AR101061

Lancaster Laboratories Sample No. WW 4582297

05-MET-103 Grab Water Sample

N(0-19)

Former Metro Container Investigation

Collected: 08/11/2005 08:00

by

Account Number: 11549

Submitted: 08/11/2005 18:10

Montgomery Watson Harza

Reported: 08/22/2005 at 12:53

P.O. Box 7009

Discard: 09/22/2005

Pasadena CA 91109-7009

W-103

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The reporting limits for the GC/MS volatile compounds were raised due to sample foaming.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:33		100
07022	Thallium	SW-846 6010B	1	08/16/2005 20:46		5
07035	Arsenic	SW-846 6010B	1	08/16/2005 20:46		5
07036	Selenium	SW-846 6010B	1	08/16/2005 20:46		5
07044	Antimony	SW-846 6010B	1	08/16/2005 20:46		5
07047	Beryllium	SW-846 6010B	1	08/16/2005 20:46		5
07049	Cadmium	SW-846 6010B	1	08/16/2005 20:46		5
07051	Chromium	SW-846 6010B	1	08/16/2005 20:46		5
07053	Copper	SW-846 6010B	2	08/15/2005 08:42		1
07055	Lead	SW-846 6010B	1	08/16/2005 20:46		5
07061	Nickel	SW-846 6010B	1	08/16/2005 20:46		5
07066	Silver	SW-846 6010B	1	08/16/2005 20:46		5
07072	Zinc	SW-846 6010B	1	08/16/2005 20:46		5
02393	Phenols	SW846 9066	1	08/18/2005 11:37		2
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:28		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 08:57		20
07879	EDB	SW-846 8011	1	08/17/2005 17:06		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 18:25		10

\*=This limit was used in the evaluation of the final result

AR101062

**Lancaster Laboratories Sample No. WW 4582297**

**05-MET-103 Grab Water Sample**

**N(0-19)**

**Former Metro Container Investigation**

Collected: 08/11/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:53

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-103

07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 23:11	[REDACTED]	5
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 23:11	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4582297  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug15b.b/ng15s57.d  
 Level: (low/med) LOW      Date Received: 08/11/05  
 % Moisture: not dec.      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 5.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.04	160	J
2. 74-93-1	Methanethiol	2.57	190	J
3. 75-15-0	Carbon disulfide	4.02	10000	J
4. 108-10-1	Methyl Isobutyl Ketone	9.68	86	J
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101064

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4582297  
 Sample wt/vol: 250 (g/mL) mL Lab File ID: eh0543.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/12/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 13 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.10544-50-0	Cyclic octaatomic sulfur	8.635	2400	J
2.	Chrysene, 6-methyl-	10.104	870	JX
3.	Unknown Alkane	10.264	810	J
4.	Unknown	10.440	840	J
5.	Unknown	10.467	820	J
6.	Unknown Alkane	10.526	1100	J
7.	Unknown	10.617	910	J
8.	Unknown Alkane	10.788	820	J
9.	Benzo[e]pyrene	10.836	1300	JX
10.	Unknown	11.028	970	J
11.	Benz[j]aceanthrylene, 3-meth	11.119	890	JX
12.	Unknown	11.140	880	J
13.	Unknown	11.183	820	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101065

**Lancaster Laboratories Sample No. WW 4582298**
**05-MET-103 Filtered Grab Water Sample  
N(0-19)  
Former Metro Container Investigation**

Collected: 08/11/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:54

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW103

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	27.9		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	19.2		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	13.6		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	13.0	J	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	7.6	J	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	24.6		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/16/2005 15:35	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07022	Thallium	SW-846 6010B	2	08/15/2005 08:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 08:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	2	08/15/2005 08:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	2	08/15/2005 08:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 18:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 18:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	2	08/15/2005 08:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	2	08/15/2005 08:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/16/2005 18:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	2	08/15/2005 08:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	2	08/15/2005 08:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/16/2005 18:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR101066

**Lancaster Laboratories Sample No. WW 4582298**

**05-MET-103 Filtered Grab Water Sample  
N(0-19)  
Former Metro Container Investigation**

Collected: 08/11/2005 08:00

by

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:54

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW103



**Lancaster Laboratories Sample No. WW 4582299**
**05-MET-119 Grab Water Sample**
**N(2-12)**
**Former Metro Container Investigation**

Collected: 08/11/2005 08:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:54

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-119

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	5.2	J	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.							
07022	Thallium	7440-28-0	66.1	J	50.0	100.	ug/l	1
07035	Arsenic	7440-38-2	746.		46.5	100.	ug/l	1
07036	Selenium	7782-49-2	N.D.		47.0	100.	ug/l	1
07044	Antimony	7440-36-0	86.3	J	32.0	100.	ug/l	1
07047	Beryllium	7440-41-7	10.2		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	171.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	2,280.		24.0	75.0	ug/l	1
07053	Copper	7440-50-8	10,400.		9.0	50.0	ug/l	1
07055	Lead	7439-92-1	2,930.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	2,540.		29.0	50.0	ug/l	1
07066	Silver	7440-22-4	N.D.		10.0	25.0	ug/l	1
07072	Zinc	7440-66-6	18,300.		5.3	20.0	ug/l	1
02393	Phenols	n.a.	140.		9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	28.		5.0	10.	ug/l	1
	This sample was treated for sulfide using lead carbonate.							
01599	PPL Pesticides + Methoxychlor							
01600	Alpha BHC	319-84-6	N.D.		0.80	4.0	ug/l	20
01601	Beta BHC	319-85-7	N.D.		4.8	16.	ug/l	20
01602	Gamma BHC - Lindane	58-89-9	N.D.		0.80	4.0	ug/l	20
01603	Delta BHC	319-86-8	N.D.		1.5	4.0	ug/l	20
01604	Heptachlor	76-44-8	N.D.		0.80	4.0	ug/l	20
01605	Aldrin	309-00-2	N.D.		2.0	8.0	ug/l	20
01606	Heptachlor Epoxide	1024-57-3	1.1	J	0.80	4.0	ug/l	20
01607	p,p-DDE	72-55-9	31.		1.6	8.0	ug/l	20
01608	p,p-DDD	72-54-8	N.D.		2.4	8.0	ug/l	20
01609	p,p-DDT	50-29-3	N.D.		2.4	8.0	ug/l	20
01610	Dieldrin	60-57-1	6.0	J	4.0	12.	ug/l	20
01611	Endrin	72-20-8	N.D.		1.6	8.0	ug/l	20
01612	Chlordane	57-74-9	68.	J	28.	200.	ug/l	20
01613	Toxaphene	8001-35-2	N.D.		120.	400.	ug/l	20
01615	Endosulfan II	33213-65-9	3.1	J	1.6	8.0	ug/l	20
01616	Endosulfan I	959-98-8	N.D.		0.80	4.0	ug/l	20
01617	Endosulfan Sulfate	1031-07-8	N.D.		2.4	8.0	ug/l	20
01618	Endrin Aldehyde	7421-93-4	12.	J	9.2	40.	ug/l	20
01619	PCB-1016	12674-11-2	N.D.		40.	200.	ug/l	20

\*=This limit was used in the evaluation of the final result

AR101068

**Lancaster Laboratories Sample No. WW 4582299**
**05-MET-119 Grab Water Sample**
**N(2-12)**
**Former Metro Container Investigation**

Collected: 08/11/2005 08:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:54

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-119

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	44.	200.	ug/l	20
01621	PCB-1232	11141-16-5	N.D.	40.	200.	ug/l	20
01622	PCB-1242	53469-21-9	N.D.	40.	200.	ug/l	20
01623	PCB-1248	12672-29-6	N.D.	40.	200.	ug/l	20
01624	PCB-1254	11097-69-1	N.D.	56.	200.	ug/l	20
01626	PCB-1260	11096-82-5	570.	40.	200.	ug/l	20
01860	Methoxychlor	72-43-5	N.D.	12.	40.	ug/l	20
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0099	0.030	ug/l	1
The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample extraction.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	27.	2.	10.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	2.	10.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	2.	10.	ug/l	1
03925	Phenol	108-95-2	21.	2.	10.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	2.	10.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	6.	20.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	2.	10.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	2.	10.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	2.	10.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	40.	120.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	20.	60.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	10.	30.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	6.	30.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	4.	10.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	2.	10.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	2.	10.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	2.	10.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	2.	10.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	2.	10.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	2.	10.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	2.	10.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	2.	10.	ug/l	1
03944	Isophorone	78-59-1	2. J	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101069

**Lancaster Laboratories Sample No. WW 4582299**
**05-MET-119 Grab Water Sample**
**N(2-12)**
**Former Metro Container Investigation**

Collected: 08/11/2005 08:45

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:54

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-119

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	2.	10.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	2.	10.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	2.	10.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	2.	10.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	10.	30.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	2.	10.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	2.	10.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	4.	10.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	2.	10.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	2.	10.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	2.	10.	ug/l	1
03956	Fluorene	86-73-7	N.D.	2.	10.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	2.	10.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	4.	10.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	2.	10.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	4.	10.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	2.	10.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	2.	10.	ug/l	1
03963	Phenanthrene	85-01-8	3. J	2.	10.	ug/l	1
03964	Anthracene	120-12-7	N.D.	2.	10.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	4.	10.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	2.	10.	ug/l	1
03967	Pyrene	129-00-0	7. J	2.	10.	ug/l	1
03968	Benzidine	92-87-5	N.D.	40.	120.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	4.	10.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	4. J	2.	10.	ug/l	1
03971	Chrysene	218-01-9	8. J	2.	10.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.	10.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	20.	4.	10.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	4.	10.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	2. J	2.	10.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	2.	10.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	4. J	2.	10.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	2.	10.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	2.	10.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	3. J	2.	10.	ug/l	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							

\*=This limit was used in the evaluation of the final result

AR101070

**Lancaster Laboratories Sample No. WW 4582299**
**05-MET-119 Grab Water Sample**
**N(2-12)**
**Former Metro Container Investigation**

Collected: 08/11/2005 08:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:54

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-119

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	97.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	2. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	1. J	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	4. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	3. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

\*=This limit was used in the evaluation of the final result

AR101071

Lancaster Laboratories Sample No. WW 4582299

05-MET-119 Grab Water Sample

N(2-12)

Former Metro Container Investigation

Collected: 08/11/2005 08:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:54

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-119

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:36	[REDACTED]	50
07022	Thallium	SW-846 6010B	2	08/15/2005 09:03	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 09:03	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 09:03	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 09:03	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 19:07	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 19:07	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 09:03	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 09:03	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 19:07	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 09:03	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 09:03	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 19:07	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:02	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:31	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 09:44	[REDACTED]	20
07879	EDB	SW-846 8011	1	08/17/2005 17:35	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 18:46	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 23:34	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101072

**Lancaster Laboratories Sample No. WW 4582299**

**05-MET-119 Grab Water Sample**

**N(2-12)**

**Former Metro Container Investigation**

Collected: 08/11/2005 08:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:54

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-119

00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 23:34	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4582299  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug15b.b/ng15s58.d  
 Level: (low/med) LOW      Date Received: 08/11/05  
 % Moisture: not dec.      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.03	170	J
2. 74-93-1	Methanethiol	2.57	300	J
3. 67-64-1	Acetone	3.75	24	J
4. 75-15-0	Carbon disulfide	4.02	3100	J
5. 108-10-1	Methyl Isobutyl Ketone	9.68	10	J
6.				
7.				
8.				
9.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101074



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4582299  
 Sample wt/vol: 500 (g/mL) mL Lab File ID: eh0544.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.5756-24-1	Dimethyl tetrasulphide	5.130	93	J
2.	Unknown	6.226	58	J
3.	Unknown	6.338	58	J
4.	Unknown	7.123	130	J
5.	Unknown	7.476	220	J
6.10544-50-0	Cyclic octaatomic sulfur	8.480	3700	J
7.	Unknown Alkane	8.966	26	J
8.	Unknown Alkane	9.207	24	J
9.	Unknown Alkane	9.271	31	J
10.	Unknown Alkane	9.447	29	J
11.	Unknown Alkane	9.554	36	J
12.	Unknown Alkane	9.725	33	J
13.	Unknown	9.896	26	J
14.	Unknown Alkane	9.997	41	J
15.	Unknown Alkane	10.083	37	J
16.	Unknown Alkane	10.136	28	J
17.	Unknown Alkane	10.350	31	J
18.	Unknown	10.686	31	J
19.	Unknown	10.788	32	J
20.	Unknown	10.815	42	J
21.	Unknown	10.863	26	J
22.	Unknown Alkane	10.953	63	J
23.	Unknown	11.039	27	J
24.	Unknown	11.162	41	J
25.	Unknown Alkane	11.215	33	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101075

**Lancaster Laboratories Sample No. WW 4582300**
**05-MET-119 Filtered Grab Water Sample  
N(2-12)  
Former Metro Container Investigation**

Collected: 08/11/2005 08:45

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:55

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW119

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	79.4	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	7.6 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	8.0 J	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:37	<span style="background-color: black; color: black;">[REDACTED]</span>	10
07022	Thallium	SW-846 6010B	2	08/15/2005 09:08	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 09:08	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	2	08/15/2005 09:08	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	2	08/15/2005 09:08	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 19:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 19:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	2	08/15/2005 09:08	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	2	08/15/2005 09:08	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/16/2005 19:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	2	08/15/2005 09:08	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	2	08/15/2005 09:08	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/16/2005 19:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR101076



# ***Analysis Report***

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

**Lancaster Laboratories Sample No. WW 4582300**

**05-MET-119 Filtered Grab Water Sample  
N(2-12)  
Former Metro Container Investigation**

Collected: 08/11/2005 08:45 by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 08/22/2005 at 12:55  
Discard: 09/22/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FW119

\*=This limit was used in the evaluation of the final result

AR101077

**Lancaster Laboratories Sample No. WW 4582301**
**05-MET-104 Grab Water Sample**
**N(0-16)**
**Former Metro Container Investigation**

Collected: 08/11/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:55

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-104

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	7.6	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	121.	50.0	100.	ug/l	1
07035	Arsenic	7440-38-2	1,320.	46.5	100.	ug/l	1
07036	Selenium	7782-49-2	143.	47.0	100.	ug/l	1
07044	Antimony	7440-36-0	58.6 J	32.0	100.	ug/l	1
07047	Beryllium	7440-41-7	27.7	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	303.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	2,430.	24.0	75.0	ug/l	1
07053	Copper	7440-50-8	17,900.	9.0	50.0	ug/l	1
07055	Lead	7439-92-1	16,000.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	1,930.	29.0	50.0	ug/l	1
07066	Silver	7440-22-4	14.4 J	10.0	25.0	ug/l	1
07072	Zinc	7440-66-6	30,100.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	2,300.	90.	300.	ug/l	10
The pH of this container was adjusted to <2 after receipt.							
08255	Total Cyanide	57-12-5	120.	5.0	10.	ug/l	1
This sample was treated for sulfide using lead carbonate.							
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.80	4.0	ug/l	20
01601	Beta BHC	319-85-7	N.D.	4.8	16.	ug/l	20
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.80	4.0	ug/l	20
01603	Delta BHC	319-86-8	N.D.	1.5	4.0	ug/l	20
01604	Heptachlor	76-44-8	N.D.	0.80	4.0	ug/l	20
01605	Aldrin	309-00-2	N.D.	2.0	8.0	ug/l	20
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.80	4.0	ug/l	20
01607	p,p-DDE	72-55-9	17.	1.6	8.0	ug/l	20
01608	p,p-DDD	72-54-8	N.D.	2.4	8.0	ug/l	20
01609	p,p-DDT	50-29-3	N.D.	2.4	8.0	ug/l	20
01610	Dieldrin	60-57-1	N.D.	4.0	12.	ug/l	20
01611	Endrin	72-20-8	3.6 J	1.6	8.0	ug/l	20
01612	Chlordane	57-74-9	280.	28.	200.	ug/l	20
01613	Toxaphene	8001-35-2	N.D.	120.	400.	ug/l	20
01615	Endosulfan II	33213-65-9	4.2 J	1.6	8.0	ug/l	20
01616	Endosulfan I	959-98-8	N.D.	0.80	4.0	ug/l	20
01617	Endosulfan Sulfate	1031-07-8	N.D.	2.4	8.0	ug/l	20
01618	Endrin Aldehyde	7421-93-4	N.D.	9.2	40.	ug/l	20
01619	PCB-1016	12674-11-2	N.D.	40.	200.	ug/l	20
01620	PCB-1221	11104-28-2	N.D.	44.	200.	ug/l	20

\*=This limit was used in the evaluation of the final result

AR101078

Lancaster Laboratories Sample No. WW 4582301

05-MET-104 Grab Water Sample

N(0-16)

Former Metro Container Investigation

Collected: 08/11/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:55

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-104

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	40.	200.	ug/l	20
01622	PCB-1242	53469-21-9	N.D.	40.	200.	ug/l	20
01623	PCB-1248	12672-29-6	N.D.	40.	200.	ug/l	20
01624	PCB-1254	11097-69-1	N.D.	56.	200.	ug/l	20
01626	PCB-1260	11096-82-5	270.	40.	200.	ug/l	20
01860	Methoxychlor	72-43-5	N.D.	12.	40.	ug/l	20
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.010	0.031	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	62.	J 20.	100.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	220.	20.	100.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	20.	100.	ug/l	1
03925	Phenol	108-95-2	570.	20.	100.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	20.	100.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	160.	J 60.	200.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	30.	J 20.	100.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	20.	100.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	20.	100.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	400.	1,200.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	200.	600.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	100.	300.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	60.	300.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	40.	100.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	20.	100.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	20.	100.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	20.	100.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	20.	100.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	20.	100.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	20.	100.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20.	100.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	20.	100.	ug/l	1
03944	Isophorone	78-59-1	N.D.	20.	100.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20.	100.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	20.	100.	ug/l	1
03947	Naphthalene	91-20-3	180.	20.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101079

**Lancaster Laboratories Sample No. WW 4582301**
**05-MET-104 Grab Water Sample**
**N(0-16)**
**Former Metro Container Investigation**

Collected: 08/11/2005 09:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:55

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-104

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03948	Hexachlorobutadiene	87-68-3	N.D.	20.	100.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	100.	300.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	20.	100.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	20.	100.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	40.	100.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	20.	100.	ug/l	1
03954	Acenaphthene	83-32-9	44. J	20.	100.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	20.	100.	ug/l	1
03956	Fluorene	86-73-7	55. J	20.	100.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20.	100.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	40.	100.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	20.	100.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	40.	100.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	20.	100.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	20.	100.	ug/l	1
03963	Phenanthrene	85-01-8	210.	20.	100.	ug/l	1
03964	Anthracene	120-12-7	52. J	20.	100.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	40.	100.	ug/l	1
03966	Fluoranthene	206-44-0	110.	20.	100.	ug/l	1
03967	Pyrene	129-00-0	370.	20.	100.	ug/l	1
03968	Benzidine	92-87-5	N.D.	400.	1,200.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	40.	100.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	340.	20.	100.	ug/l	1
03971	Chrysene	218-01-9	650.	20.	100.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	40.	100.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	200.	40.	100.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	40.	100.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	290.	20.	100.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	20.	100.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	530.	20.	100.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	230.	20.	100.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	270.	20.	100.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	650.	20.	100.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

07582 PPL Volatiles

\*=This limit was used in the evaluation of the final result

AR101080

**Lancaster Laboratories Sample No. WW 4582301**
**05-MET-104 Grab Water Sample**
**N(0-16)**
**Former Metro Container Investigation**

Collected: 08/11/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:55

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-104

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	50.	ug/l	10
02015	t-Butyl alcohol	75-65-0	N.D.	100.	800.	ug/l	10
05385	Chloromethane	74-87-3	N.D.	10.	50.	ug/l	10
05386	Vinyl Chloride	75-01-4	N.D.	10.	50.	ug/l	10
05387	Bromomethane	74-83-9	N.D.	10.	50.	ug/l	10
05388	Chloroethane	75-00-3	N.D.	10.	50.	ug/l	10
05389	Trichlorofluoromethane	75-69-4	N.D.	20.	50.	ug/l	10
05390	1,1-Dichloroethene	75-35-4	N.D.	8.	50.	ug/l	10
05391	Methylene Chloride	75-09-2	N.D.	20.	50.	ug/l	10
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	8.	50.	ug/l	10
05393	1,1-Dichloroethane	75-34-3	16. J	10.	50.	ug/l	10
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	8.	50.	ug/l	10
05396	Chloroform	67-66-3	N.D.	8.	50.	ug/l	10
05398	1,1,1-Trichloroethane	71-55-6	N.D.	8.	50.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.	10.	50.	ug/l	10
05401	Benzene	71-43-2	N.D.	5.	50.	ug/l	10
05402	1,2-Dichloroethane	107-06-2	N.D.	10.	50.	ug/l	10
05403	Trichloroethene	79-01-6	N.D.	10.	50.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.	10.	50.	ug/l	10
05406	Bromodichloromethane	75-27-4	N.D.	10.	50.	ug/l	10
05407	Toluene	108-88-3	11. J	7.	50.	ug/l	10
05408	1,1,2-Trichloroethane	79-00-5	N.D.	8.	50.	ug/l	10
05409	Tetrachloroethene	127-18-4	N.D.	8.	50.	ug/l	10
05411	Dibromochloromethane	124-48-1	N.D.	10.	50.	ug/l	10
05413	Chlorobenzene	108-90-7	N.D.	8.	50.	ug/l	10
05415	Ethylbenzene	100-41-4	22. J	8.	50.	ug/l	10
05419	Bromoform	75-25-2	N.D.	10.	50.	ug/l	10
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	10.	50.	ug/l	10
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	10.	50.	ug/l	10
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	10.	50.	ug/l	10
06310	Xylene (Total)	1330-20-7	86.	8.	50.	ug/l	10
06875	Acrylonitrile	107-13-1	N.D.	40.	200.	ug/l	10
06888	Acrolein	107-02-8	N.D.	400.	1,000.	ug/l	10
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	20.	100.	ug/l	10

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.  
The reporting limits for the GC/MS volatile compounds were raised due to sample foaming.

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR101081



Lancaster Laboratories Sample No. WW 4582301

05-MET-104 Grab Water Sample

N(0-16)

Former Metro Container Investigation

Collected: 08/11/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:55

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-104

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:38	[REDACTED]	10
07022	Thallium	SW-846 6010B	2	08/15/2005 09:13	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 09:13	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 09:13	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 09:13	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 19:17	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 19:17	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 09:13	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 09:13	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 19:17	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 09:13	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 09:13	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 19:17	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:38	[REDACTED]	10
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:32	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 10:04	[REDACTED]	20
07879	EDB	SW-846 8011	1	08/17/2005 18:05	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 19:07	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 23:57	[REDACTED]	10
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 23:57	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR101082

**Lancaster Laboratories Sample No. WW 4582301**

**05-MET-104 Grab Water Sample**

**N(0-16)**

**Former Metro Container Investigation**

Collected: 08/11/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:55

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-104

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4582301  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug15b.b/ng15s59.d  
 Level: (low/med) LOW      Date Received: 08/11/05  
 % Moisture: not dec.      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 10.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 13

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.05	120	J
2. 67-64-1	Acetone	3.75	190	J
3. 75-15-0	Carbon disulfide	4.00	510	J
4. 108-10-1	Methyl Isobutyl Ketone	9.68	100	J
5.	Unknown aromatic	12.72	55	J
6.	Unknown aromatic	12.84	58	J
7.	Unknown aromatic	13.31	63	J
8.	Unknown aromatic	13.34	52	J
9.	Unknown aromatic	13.71	59	J
10.	Unknown aromatic	14.23	120	J
11.	Unknown aromatic	14.43	58	J
12.	Unknown aromatic	14.54	72	J
13.	Unknown aromatic	15.04	54	J
14.				
15.				
16.				
17.				
18.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101084

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4582301  
 Sample wt/vol: 250 (g/mL) mL Lab File ID: eh0545.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/12/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	6.979	1600	J
2.	!Unknown Alkane	7.203	2400	J
3.	!Unknown Alkane	7.582	2000	J
4.	!Unknown Alkane	7.876	1500	J
5.	!Unknown	8.047	790	J
6.	!Unknown	8.181	850	J
7.	!Unknown	8.373	780	J
8.	!Unknown Alkane	8.485	1200	J
9.	!n-Heptadecylcyclohexane	8.523	1200	JX
10.	!Unknown Alkane	8.656	800	J
11.	!Unknown Alkane	8.971	620	J
12.	!Unknown	9.041	520	J
13.	!Pyrene, 2-methyl-	9.217	620	JX
14.	!Unknown Alkane	9.452	540	J
15.	!Unknown Alkane	9.559	520	J
16.	!1-Phenanthrenecarboxylic aci	9.639	650	JX
17.	!Unknown Alkane	10.002	520	J
18.	!Unknown Alkane	10.355	640	J
19.	!Benz[a]anthracene, 7,12-dime	10.414	1000	JX
20.	!Unknown	10.558	1200	J
21.	!Unknown	10.697	1600	J
22.	!Perylene	10.852	1400	JX
23.	!Unknown Alkane	10.959	1600	J
24.	!Unknown Alkane	11.050	980	J
25.	!Unknown	11.162	990	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101085

**Lancaster Laboratories Sample No. WW 4582302**
**05-MET-104 Filtered Grab Water Sample  
N(0-16)  
Former Metro Container Investigation**

Collected: 08/11/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:56

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW104

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	93.5	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	N.D.	50.0	100.	ug/l	1
07035	Arsenic	7440-38-2	480.	46.5	100.	ug/l	1
07036	Selenium	7782-49-2	57.6 J	47.0	100.	ug/l	1
07044	Antimony	7440-36-0	39.8 J	32.0	100.	ug/l	1
07047	Beryllium	7440-41-7	6.7	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	91.2	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	702.	24.0	75.0	ug/l	1
07053	Copper	7440-50-8	6,440.	9.0	50.0	ug/l	1
07055	Lead	7439-92-1	4,640.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	527.	29.0	50.0	ug/l	1
07066	Silver	7440-22-4	N.D.	10.0	25.0	ug/l	1
07072	Zinc	7440-66-6	9,550.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:40	<span style="background-color: black; color: black;">[REDACTED]</span>	50
07022	Thallium	SW-846 6010B	2	08/15/2005 09:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 09:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	2	08/15/2005 09:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	2	08/15/2005 09:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 19:22	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 19:22	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	2	08/15/2005 09:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	2	08/15/2005 09:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/16/2005 19:22	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	2	08/15/2005 09:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	2	08/15/2005 09:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/16/2005 19:22	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR101086

**Lancaster Laboratories Sample No. WW 4582302**

**05-MET-104 Filtered Grab Water Sample  
N(0-16)  
Former Metro Container Investigation**

Collected: 08/11/2005 09:30

by ■

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:56

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW104

Lancaster Laboratories Sample No. WW 4582303

05-MET-124 Grab Water Sample

N(3-13)

Former Metro Container Investigation

Collected: 08/11/2005 10:15

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:56

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-124

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	17.9	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	133.	50.0	100.	ug/l	1
07035	Arsenic	7440-38-2	1,210.	46.5	100.	ug/l	1
07036	Selenium	7782-49-2	N.D.	47.0	100.	ug/l	1
07044	Antimony	7440-36-0	52.2 J	32.0	100.	ug/l	1
07047	Beryllium	7440-41-7	113.	0.44	5.0	ug/l	5
07049	Cadmium	7440-43-9	29.0	0.97	5.0	ug/l	5
07051	Chromium	7440-47-3	4,050.	24.0	75.0	ug/l	1
07053	Copper	7440-50-8	7,050.	9.0	50.0	ug/l	1
07055	Lead	7439-92-1	10,700.	8.4	20.0	ug/l	5
07061	Nickel	7440-02-0	3,260.	29.0	50.0	ug/l	1
07066	Silver	7440-22-4	N.D.	10.0	25.0	ug/l	1
07072	Zinc	7440-66-6	19,300.	5.3	20.0	ug/l	5

The quantitation limits for beryllium, cadmium, lead, and zinc were increased due to high amounts of iron in the sample.

07879 EDB

01087 Ethylene dibromide 106-93-4 N.D. 0.0098 0.029 ug/l 1  
The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample extraction.

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	40.	4.	20.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	68.	4.	20.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	4.	20.	ug/l	1
03925	Phenol	108-95-2	42.	4.	20.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	4.	20.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	41.	12.	40.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	4.	20.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	4.	20.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	4.	20.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	80.	240.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	40.	120.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	20.	60.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	12.	60.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	8.	20.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	4.	20.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	4.	20.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101088



Lancaster Laboratories Sample No. WW 4582303

05-MET-124 Grab Water Sample

N(3-13)

Former Metro Container Investigation

Collected: 08/11/2005 10:15

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:56

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-124

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03938	1,4-Dichlorobenzene	106-46-7	6. J	4.	20.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	63.	4.	20.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	4.	20.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	4.	20.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	4.	20.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	4.	20.	ug/l	1
03944	Isophorone	78-59-1	7. J	4.	20.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	4.	20.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	4.	20.	ug/l	1
03947	Naphthalene	91-20-3	20. J	4.	20.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	4.	20.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	20.	60.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	4.	20.	ug/l	1
03951	Acenaphthylene	208-96-8	8. J	4.	20.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	8.	20.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	4.	20.	ug/l	1
03954	Acenaphthene	83-32-9	21.	4.	20.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	4.	20.	ug/l	1
03956	Fluorene	86-73-7	34.	4.	20.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	4.	20.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	8.	20.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	4.	20.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	84.	8.	20.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	4.	20.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	4.	20.	ug/l	1
03963	Phenanthrene	85-01-8	340.	4.	20.	ug/l	1
03964	Anthracene	120-12-7	82.	4.	20.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	8.	20.	ug/l	1
03966	Fluoranthene	206-44-0	36.	4.	20.	ug/l	1
03967	Pyrene	129-00-0	570.	8.	40.	ug/l	2
03968	Benzidine	92-87-5	N.D.	80.	240.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	8.	20.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	470.	4.	20.	ug/l	1
03971	Chrysene	218-01-9	840.	8.	40.	ug/l	2
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	8.	20.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	8.	20.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	8.	20.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	240.	4.	20.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101089

Lancaster Laboratories Sample No. WW 4582303

05-MET-124 Grab Water Sample

N(3-13)

Former Metro Container Investigation

Collected: 08/11/2005 10:15

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:56

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-124

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03976	Benzo(k)fluoranthene	207-08-9	N.D.	4.	20.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	340.	8.	40.	ug/l	2
03978	Indeno(1,2,3-cd)pyrene	193-39-5	120.	4.	20.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	170.	4.	20.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	240.	4.	20.	ug/l	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	50.	ug/l	10
02015	t-Butyl alcohol	75-65-0	200.	J 100.	800.	ug/l	10
05385	Chloromethane	74-87-3	N.D.	10.	50.	ug/l	10
05386	Vinyl Chloride	75-01-4	N.D.	10.	50.	ug/l	10
05387	Bromomethane	74-83-9	N.D.	10.	50.	ug/l	10
05388	Chloroethane	75-00-3	N.D.	10.	50.	ug/l	10
05389	Trichlorofluoromethane	75-69-4	N.D.	20.	50.	ug/l	10
05390	1,1-Dichloroethene	75-35-4	N.D.	8.	50.	ug/l	10
05391	Methylene Chloride	75-09-2	N.D.	20.	50.	ug/l	10
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	8.	50.	ug/l	10
05393	1,1-Dichloroethane	75-34-3	N.D.	10.	50.	ug/l	10
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	8.	50.	ug/l	10
05396	Chloroform	67-66-3	N.D.	8.	50.	ug/l	10
05398	1,1,1-Trichloroethane	71-55-6	N.D.	8.	50.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.	10.	50.	ug/l	10
05401	Benzene	71-43-2	N.D.	5.	50.	ug/l	10
05402	1,2-Dichloroethane	107-06-2	N.D.	10.	50.	ug/l	10
05403	Trichloroethene	79-01-6	N.D.	10.	50.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.	10.	50.	ug/l	10
05406	Bromodichloromethane	75-27-4	N.D.	10.	50.	ug/l	10
05407	Toluene	108-88-3	N.D.	7.	50.	ug/l	10
05408	1,1,2-Trichloroethane	79-00-5	N.D.	8.	50.	ug/l	10
05409	Tetrachloroethene	127-18-4	N.D.	8.	50.	ug/l	10
05411	Dibromochloromethane	124-48-1	N.D.	10.	50.	ug/l	10
05413	Chlorobenzene	108-90-7	N.D.	8.	50.	ug/l	10
05415	Ethylbenzene	100-41-4	N.D.	8.	50.	ug/l	10
05419	Bromoform	75-25-2	N.D.	10.	50.	ug/l	10
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	10.	50.	ug/l	10
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	10.	50.	ug/l	10
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	10.	50.	ug/l	10
06310	Xylene (Total)	1330-20-7	N.D.	8.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101090

Lancaster Laboratories Sample No. WW 4582303

05-MET-124 Grab Water Sample

N(3-13)

Former Metro Container Investigation

Collected: 08/11/2005 10:15

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:56

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-124

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06875	Acrylonitrile	107-13-1	N.D.	40.	200.	ug/l	10
06888	Acrolein	107-02-8	N.D.	400.	1,000.	ug/l	10
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	20.	100.	ug/l	10
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample. The reporting limits for the GC/MS volatile compounds were raised due to sample foaming.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:44	[REDACTED]	50
07022	Thallium	SW-846 6010B	2	08/15/2005 09:24	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 09:24	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 09:24	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 09:24	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 03:39	[REDACTED]	5
07049	Cadmium	SW-846 6010B	1	08/18/2005 03:39	[REDACTED]	5
07051	Chromium	SW-846 6010B	2	08/15/2005 09:24	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 09:24	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 03:39	[REDACTED]	5
07061	Nickel	SW-846 6010B	2	08/15/2005 09:24	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 09:24	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101091

**Lancaster Laboratories Sample No. WW 4582303**

**05-MET-124 Grab Water Sample**

**N(3-13)**

**Former Metro Container Investigation**

Collected: 08/11/2005 10:15

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:56

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-124

07072	Zinc	SW-846 6010B	1	08/18/2005 03:39	[REDACTED]	5
07879	EDB	SW-846 8011	1	08/17/2005 19:05	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 19:28	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 13:09	[REDACTED]	2
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 00:20	[REDACTED]	10
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 00:20	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4582303	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug15b.b/ng15s60.d	
Level: (low/med) LOW	Date Received: 08/11/05	
% Moisture: not dec.	Date Analyzed: 08/16/05	
Column: (pack/cap) CAP	Dilution Factor: 10.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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18.				
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21.				
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24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101093

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4582303  
 Sample wt/vol: 250 (g/mL) mL Lab File ID: eh0546.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	6.989	110	J
2.	!Unknown Alkane	7.198	350	J
3.	!Unknown Alkane	7.572	260	J
4.	!Unknown Alkane	7.924	360	J
5.	!Anthracene, 2-methyl-	8.058	230	JX
6.	!Unknown Alkane	8.271	350	J
7.	!Unknown Alkane	8.394	270	J
8.	!Unknown	8.453	310	J
9.	!Unknown Alkane	8.501	280	J
10.	!Unknown Cycloalkane	8.539	340	J
11.	!Unknown Cycloalkane	8.640	310	J
12.	!Unknown Cycloalkane	8.864	230	J
13.	!Unknown Alkane	8.902	340	J
14.	!Unknown Alkane	8.987	260	J
15.	!Unknown Alkane	9.196	320	J
16.	!Unknown Alkane	9.479	370	J
17.	!Unknown Cycloalkane	9.634	230	J
18.	!Unknown Alkane	9.757	360	J
19.	!Unknown Alkane	10.029	350	J
20.	!Triphenylene, 2-methyl-	10.141	250	JX
21.	!Triphenylene, 2-methyl-	10.179	300	JX
22.	!Unknown Alkane	10.296	320	J
23.	!Unknown Alkane	10.376	250	J
24.	!Unknown Alkane	10.814	200	J
25.	!Unknown Alkane	11.065	170	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101094



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. WW 4582304

05-MET-124 Filtered Grab Water Sample  
N(3-13)  
Former Metro Container Investigation

Collected: 08/11/2005 10:15

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:56

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW124

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	28.1	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	16.8	J 9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	25.2	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	33.3	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	6.1	J 1.8	10.0	ug/l	1
07055	Lead	7439-92-1	21.9	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	28.8	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:46	[REDACTED]	10
07022	Thallium	SW-846 6010B	2	08/15/2005 09:29	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 09:29	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 09:29	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 09:29	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 19:33	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 19:33	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 09:29	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 09:29	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 19:33	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 09:29	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 09:29	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 19:33	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101095



**Lancaster Laboratories Sample No. WW 4582304**

**05-MET-124 Filtered Grab Water Sample  
N(3-13)  
Former Metro Container Investigation**

Collected: 08/11/2005 10:15

by ■

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:56

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW124

Lancaster Laboratories Sample No. WW 4582305

05-MET-093 Grab Water Sample

N(2-12)

Former Metro Container Investigation

Collected: 08/11/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:57

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-093

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	43.2	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	53.7 J	50.0	100.	ug/l	1
07035	Arsenic	7440-38-2	524.	46.5	100.	ug/l	1
07036	Selenium	7782-49-2	75.8 J	47.0	100.	ug/l	1
07044	Antimony	7440-36-0	243.	32.0	100.	ug/l	1
07047	Beryllium	7440-41-7	22.8	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	927.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	5,810.	24.0	75.0	ug/l	1
07053	Copper	7440-50-8	4,470.	9.0	50.0	ug/l	1
07055	Lead	7439-92-1	27,100.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	3,000.	29.0	50.0	ug/l	1
07066	Silver	7440-22-4	24.7 J	10.0	25.0	ug/l	1
07072	Zinc	7440-66-6	11,900.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	160.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	58.	5.0	10.	ug/l	1

This sample was treated for sulfide using lead carbonate.

01599 PPL Pesticides + Methoxychlor

01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	2.6 J	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	0.96 J	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	15.	0.40	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	35.	250.	ug/l	50
01613	Toxaphene	8001-35-2	N.D.	150.	500.	ug/l	50
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	50.	250.	ug/l	50
01620	PCB-1221	11104-28-2	N.D.	55.	250.	ug/l	50
01621	PCB-1232	11141-16-5	N.D.	50.	250.	ug/l	50

\*=This limit was used in the evaluation of the final result

AR101097

Lancaster Laboratories Sample No. WW 4582305

05-MET-093 Grab Water Sample

N(2-12)

Former Metro Container Investigation

Collected: 08/11/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:57

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-093

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01622	PCB-1242	53469-21-9	N.D.	50.	250.	ug/l	50
01623	PCB-1248	12672-29-6	480.	50.	250.	ug/l	50
01624	PCB-1254	11097-69-1	350.	70.	250.	ug/l	50
01626	PCB-1260	11096-82-5	150. J	50.	250.	ug/l	50
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.010	0.030	ug/l	1
	The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.						
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	10.	2.	10.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	3. J	2.	10.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	2.	10.	ug/l	1
03925	Phenol	108-95-2	3. J	2.	10.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	2.	10.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	11. J	6.	20.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	2.	10.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	2.	10.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	2.	10.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	40.	120.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	20.	60.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	10.	30.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	6.	30.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	4.	10.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	2.	10.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	2.	10.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	2.	10.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	4. J	2.	10.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	2.	10.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	2.	10.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	2.	10.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	2.	10.	ug/l	1
03944	Isophorone	78-59-1	N.D.	2.	10.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	2.	10.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	2.	10.	ug/l	1
03947	Naphthalene	91-20-3	4. J	2.	10.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101098

**Lancaster Laboratories Sample No. WW 4582305**
**05-MET-093 Grab Water Sample**
**N(2-12)**
**Former Metro Container Investigation**

Collected: 08/11/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:57

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-093

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	10.	30.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	2.	10.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	2.	10.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	4.	10.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	2.	10.	ug/l	1
03954	Acenaphthene	83-32-9	3. J	2.	10.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	2.	10.	ug/l	1
03956	Fluorene	86-73-7	5. J	2.	10.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	2.	10.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	4.	10.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	2.	10.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	4.	10.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	2.	10.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	2.	10.	ug/l	1
03963	Phenanthrene	85-01-8	12.	2.	10.	ug/l	1
03964	Anthracene	120-12-7	5. J	2.	10.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	4.	10.	ug/l	1
03966	Fluoranthene	206-44-0	17.	2.	10.	ug/l	1
03967	Pyrene	129-00-0	17.	2.	10.	ug/l	1
03968	Benzidine	92-87-5	N.D.	40.	120.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	4.	10.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	13.	2.	10.	ug/l	1
03971	Chrysene	218-01-9	13.	2.	10.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.	10.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	26.	4.	10.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	4.	10.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	16.	2.	10.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	6. J	2.	10.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	11.	2.	10.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	7. J	2.	10.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	3. J	2.	10.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	7. J	2.	10.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
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\*=This limit was used in the evaluation of the final result

AR101099

Lancaster Laboratories Sample No. WW 4582305

05-MET-093 Grab Water Sample

N(2-12)

Former Metro Container Investigation

Collected: 08/11/2005 11:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:57

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-093

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02015	t-Butyl alcohol	75-65-0	33. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	3. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	7.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	2. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	1. J	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	11.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	19.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	27.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR101100

**Lancaster Laboratories Sample No. WW 4582305**
**05-MET-093 Grab Water Sample**
**N(2-12)**
**Former Metro Container Investigation**

Collected: 08/11/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Montgomery Watson Harza

Reported: 08/22/2005 at 12:57

P.O. Box 7009

Discard: 09/22/2005

Pasadena CA 91109-7009

W-093

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00893	Semivolatiles Library Search						
The results from the semivolatiles library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.							

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:47	<span style="background-color: black; color: black;">[REDACTED]</span>	50
07022	Thallium	SW-846 6010B	2	08/15/2005 09:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 09:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	2	08/15/2005 09:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	2	08/15/2005 09:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 19:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 19:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	2	08/15/2005 09:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	2	08/15/2005 09:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/16/2005 19:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	2	08/15/2005 09:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	2	08/15/2005 09:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/16/2005 19:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/18/2005 11:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:33	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 10:25	<span style="background-color: black; color: black;">[REDACTED]</span>	10
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 10:46	<span style="background-color: black; color: black;">[REDACTED]</span>	50
07879	EDB	SW-846 8011	1	08/17/2005 19:35	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 19:49	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 00:43	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 00:43	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR101101

**Lancaster Laboratories Sample No. WW 4582305****05-MET-093 Grab Water Sample****N(2-12)****Former Metro Container Investigation**

Collected: 08/11/2005 11:00

by

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:57

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-093

07786	EDB Extraction	SW-846 8011
08123	Phenol Distillation (SW-846)	SW-846 9065
08256	Cyanide Water Distillation	SW-846 9012A

1	08/15/2005 13:50
1	08/17/2005 14:20
1	08/15/2005 09:30

1
1
1



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4582305  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug15b.b/ng15s61.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: not dec. Date Analyzed: 08/16/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.03	50	J
2. 74-93-1	Methanethiol	2.57	45	J
3. 75-15-0	Carbon disulfide	4.01	1600	J
4.	Unknown aromatic	12.85	6	J
5.	Unknown	15.15	6	J
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101103

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4582305  
 Sample wt/vol: 500 (g/mL) mL Lab File ID: eh0547.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 24 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	7.898	32	J
2.10544-50-0	Cyclic octaatomic sulfur	8.485	1200	J
3.	!Unknown	8.854	39	J
4.	!Unknown Alkane	8.971	20	J
5.	!Unknown Alkane	9.201	20	J
6.	!Unknown Alkane	9.271	20	J
7.	!Unknown Alkane	9.997	33	J
8.	!Unknown Alkane	10.141	21	J
9.	!Unknown Alkane	10.350	53	J
10.	!Unknown	10.531	11	J
11.	!Unknown	10.558	26	J
12.	!Unknown Alkane	10.617	19	J
13.	!Unknown	10.681	21	J
14.	!Unknown	10.788	15	J
15.	!Unknown	10.825	41	J
16.	!Unknown	10.868	11	J
17.	!Unknown	10.996	16	J
18.	!Unknown	11.023	30	J
19.	!Unknown	11.071	21	J
20.	!Unknown	11.114	17	J
21.	!Unknown	11.162	28	J
22.	!Unknown	11.199	21	J
23.	!Unknown	11.456	10	J
24.	!Unknown	12.556	10	J
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101104



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4582306

05-MET-093 Filtered Grab Water Sample  
N(2-12)  
Former Metro Container Investigation

Collected: 08/11/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 08/22/2005 at 12:57  
Discard: 09/22/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FW093

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	34.9	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	10.2 J	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/16/2005 15:48	[REDACTED]	1
07022	Thallium	SW-846 6010B	2	08/15/2005 09:39	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 09:39	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 09:39	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 09:39	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 19:43	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 19:43	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 09:39	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 09:39	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 19:43	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 09:39	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 09:39	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 19:43	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101105

Lancaster Laboratories Sample No. WW 4582307

05-MET-094 Grab Water Sample

N(0-7)

Former Metro Container Investigation

Collected: 08/11/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:57

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-094

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	0.74 J	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	361.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	10.9 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	1.8 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	5.3	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	128.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	274.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	284.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	155.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,230.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	100.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	10.	5.0	10.	ug/l	1
	This sample was treated for sulfide using lead carbonate.						
	Matrix QC was performed on this sample for the cyanide analysis. Please see the attached QC Summary report for the parameter showing a matrix bias.						
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	0.66 J	0.40	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	0.97 J	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101106

Lancaster Laboratories Sample No. WW 4582307

05-MET-094 Grab Water Sample

N(0-7)

Former Metro Container Investigation

Collected: 08/11/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:57

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-094

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	N.D.	50.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	50.	50.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	50.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0098	0.029	ug/l	1
The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample extraction.							

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	12.	2.	10.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	2.	10.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	2.	10.	ug/l	1
03925	Phenol	108-95-2	3. J	2.	10.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	2.	10.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	6.	20.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	2.	10.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	2.	10.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	2.	10.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	40.	120.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	20.	60.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	10.	30.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	6.	30.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	4.	10.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	2.	10.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	2.	10.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	2.	10.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	2.	10.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101107

**Lancaster Laboratories Sample No. WW 4582307**
**05-MET-094 Grab Water Sample**
**N(0-7)**
**Former Metro Container Investigation**

Collected: 08/11/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:57

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-094

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03941	Hexachloroethane	67-72-1	N.D.	2.	10.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	2.	10.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	2.	10.	ug/l	1
03944	Isophorone	78-59-1	N.D.	2.	10.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	2.	10.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	2.	10.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	2.	10.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	2.	10.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	10.	30.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	2.	10.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	2.	10.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	4.	10.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	2.	10.	ug/l	1
03954	Acenaphthene	83-32-9	11.	2.	10.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	2.	10.	ug/l	1
03956	Fluorene	86-73-7	5. J	2.	10.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	2.	10.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	4.	10.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	2.	10.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	4.	10.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	2.	10.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	2.	10.	ug/l	1
03963	Phenanthrene	85-01-8	7. J	2.	10.	ug/l	1
03964	Anthracene	120-12-7	3. J	2.	10.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	4.	10.	ug/l	1
03966	Fluoranthene	206-44-0	8. J	2.	10.	ug/l	1
03967	Pyrene	129-00-0	7. J	2.	10.	ug/l	1
03968	Benzidine	92-87-5	N.D.	40.	120.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	4.	10.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	6. J	2.	10.	ug/l	1
03971	Chrysene	218-01-9	4. J	2.	10.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.	10.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	4.	10.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	4.	10.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	7. J	2.	10.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	4. J	2.	10.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	4. J	2.	10.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	4. J	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101108

Lancaster Laboratories Sample No. WW 4582307

05-MET-094 Grab Water Sample

N(0-7)

Former Metro Container Investigation

Collected: 08/11/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:57

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-094

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	2.	10.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	4. J	2.	10.	ug/l	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.7 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	18. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	3. J	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	2. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	2. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	0.9 J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	3. J	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101109



Lancaster Laboratories Sample No. WW 4582307

05-MET-094 Grab Water Sample

N(0-7)

Former Metro Container Investigation

Collected: 08/11/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:57

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-094

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
---------	---------------	------------	--------------------	-------------------------------------	-----------------------------------	-------	-----------------

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:50	[REDACTED]	10
07022	Thallium	SW-846 6010B	2	08/15/2005 08:11	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 08:11	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 08:11	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 08:11	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 18:14	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 18:14	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 08:11	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 08:11	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 18:14	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 08:11	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 08:11	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 18:14	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:41	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:35	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 21:37	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/17/2005 20:05	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 20:10	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101110

**Lancaster Laboratories Sample No. WW 4582307**

**05-MET-094 Grab Water Sample**

**N(0-7)**

**Former Metro Container Investigation**

Collected: 08/11/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:57

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-094

07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 01:06	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 01:06	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4582307  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug15b.b/ng15s62.d  
 Level: (low/med) LOW      Date Received: 08/11/05  
 % Moisture: not dec.      Date Analyzed: 08/16/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.01	26	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101112

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4582307  
 Sample wt/vol: 500 (g/mL) mL Lab File ID: eh0548.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	7.892	36	J
2.	!Unknown	8.111	20	J
3.	!Unknown	8.133	20	J
4.	!Unknown	8.245	34	J
5.	!Unknown	8.277	24	J
6.	!Unknown	8.330	53	J
7.	!Unknown	8.373	57	J
8.	!Unknown	8.400	43	J
9.	!Unknown	8.442	61	J
10.	!Unknown	8.475	57	J
11.	!Unknown	8.501	24	J
12.	!Unknown	8.539	73	J
13.	!Unknown	8.571	38	J
14.10544-50-0	!Cyclic octaatomic sulfur	8.651	72	J
15.	!Unknown	8.720	22	J
16.80-05-7	!Phenol, 4,4'-(1-methylethyl)	8.854	63	J
17.	!Kaura-9(11),16-dien-18-oic a	9.639	22	JX
18.	!Unknown	11.039	31	J
19.	!Unknown	11.124	27	J
20.	!Unknown	11.162	29	J
21.	!Unknown	11.199	35	J
22.	!Unknown	11.263	30	J
23.	!Unknown	11.450	46	J
24.	!Unknown	11.493	21	J
25.	!Unknown	12.177	21	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101113



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4582308

05-MET-094 Filtered Grab Water Sample  
N(0-7)  
Former Metro Container Investigation

Collected: 08/11/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 08/22/2005 at 12:58  
Discard: 09/22/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FW094

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection Limit*	Quantitation		
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	20.8	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/16/2005 15:51	[REDACTED]	1
07022	Thallium	SW-846 6010B	2	08/15/2005 09:44	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 09:44	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 09:44	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 09:44	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 19:48	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 19:48	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 09:44	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 09:44	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 19:48	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 09:44	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 09:44	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 19:48	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101114

**Lancaster Laboratories Sample No. WW 4582309**

**05-MET-087 Grab Water Sample**

**N(0-7)**

**Former Metro Container Investigation**

Collected: 08/11/2005 14:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:58

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-087

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	0.098 J	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	280.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	14.2 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	10.5 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	2.5 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	6.2	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	184.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	730.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	671.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	78.4	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	827.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	22. J	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	71.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	0.40	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101115

**Lancaster Laboratories Sample No. WW 4582309**
**05-MET-087 Grab Water Sample**
**N(0-7)**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:58

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-087

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	50.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	50.	50.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	50.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.							
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for aroclor-1248, aroclor-1254, and aroclor-1260.							
Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0098	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	13.	2.	10.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	2.	10.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	2.	10.	ug/l	1
03925	Phenol	108-95-2	2. J	2.	10.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	2.	10.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	6.	20.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	2.	10.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	2.	10.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	2.	10.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	40.	120.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	20.	60.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	10.	30.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	6.	30.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	4.	10.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	2.	10.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	2.	10.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	2.	10.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	2.	10.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	2.	10.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	2.	10.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101116

Lancaster Laboratories Sample No. WW 4582309

05-MET-087 Grab Water Sample

N(0-7)

Former Metro Container Investigation

Collected: 08/11/2005 14:00

by █

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:58

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-087

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03943	Nitrobenzene	98-95-3	N.D.	2.	10.	ug/l	1
03944	Isophorone	78-59-1	N.D.	2.	10.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	2.	10.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	2.	10.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	2.	10.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	2.	10.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	10.	30.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	2.	10.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	2.	10.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	4.	10.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	2.	10.	ug/l	1
03954	Acenaphthene	83-32-9	3. J	2.	10.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	2.	10.	ug/l	1
03956	Fluorene	86-73-7	2. J	2.	10.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	2.	10.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	4.	10.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	2.	10.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	4.	10.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	2.	10.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	2.	10.	ug/l	1
03963	Phenanthrene	85-01-8	2. J	2.	10.	ug/l	1
03964	Anthracene	120-12-7	N.D.	2.	10.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	4.	10.	ug/l	1
03966	Fluoranthene	206-44-0	5. J	2.	10.	ug/l	1
03967	Pyrene	129-00-0	3. J	2.	10.	ug/l	1
03968	Benzidine	92-87-5	N.D.	40.	120.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	4.	10.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	3. J	2.	10.	ug/l	1
03971	Chrysene	218-01-9	3. J	2.	10.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.	10.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	4.	10.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	4.	10.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	4. J	2.	10.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	2.	10.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	3. J	2.	10.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	2.	10.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	2.	10.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	4. J	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101117



**Lancaster Laboratories Sample No. WW 4582309**
**05-MET-087 Grab Water Sample**
**N(0-7)**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:58

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-087

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.7 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	20. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

\*=This limit was used in the evaluation of the final result

AR101118

Lancaster Laboratories Sample No. WW 4582309

05-MET-087 Grab Water Sample

N(0-7)

Former Metro Container Investigation

Collected: 08/11/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:58

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-087

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:53	[REDACTED]	1
07022	Thallium	SW-846 6010B	2	08/15/2005 09:50	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 09:50	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 09:50	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 09:50	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 19:54	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 19:54	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 09:50	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 09:50	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 19:54	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 09:50	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 09:50	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 19:54	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:07	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:38	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 21:57	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/17/2005 20:35	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 20:31	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 01:29	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101119

**Lancaster Laboratories Sample No. WW 4582309**

**05-MET-087 Grab Water Sample**

**N(0-7)**

**Former Metro Container Investigation**

Collected: 08/11/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:58

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-087

00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 01:29	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4582309	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug15b.b/ng15s63.d	
Level: (low/med) LOW	Date Received: 08/11/05	
% Moisture: not dec.	Date Analyzed: 08/16/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101121

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4582309  
 Sample wt/vol: 500 (g/mL) mL Lab File ID: eh0549.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	6.354	17	J
2.	!Benzoic acid, 3,5-bis(1,1-di	7.892	24	JX
3.	!Unknown	8.111	22	J
4.	!Unknown	8.475	16	J
5.	!Unknown	8.523	22	J
6.	!Unknown	8.688	23	J
7.80-05-7	!Phenol, 4,4'-(1-methylethyl	8.854	48	J
8.	!Unknown	9.169	17	J
9.	!Unknown	9.260	13	J
10.	!Unknown	9.324	16	J
11.	!Unknown	9.479	13	J
12.	!Unknown	9.500	16	J
13.	!Unknown	9.559	18	J
14.	!Unknown	9.645	20	J
15.	!Unknown	9.880	12	J
16.	!Unknown	10.515	15	J
17.	!Unknown	10.788	13	J
18.	!Unknown	10.847	19	J
19.	!Unknown	10.996	18	J
20.	!Unknown	11.119	25	J
21.	!Unknown	11.162	16	J
22.	!Unknown	11.274	14	J
23.	!Unknown	11.343	17	J
24.	!Unknown	11.450	19	J
25.	!Unknown	12.155	22	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101122



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4582310

05-MET-087 Filtered Grab Water Sample  
N(0-7)  
Former Metro Container Investigation

Collected: 08/11/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 08/22/2005 at 12:59  
Discard: 09/22/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FW087

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method Detection Limit*	Limit of Quantitation		
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	39.3	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/16/2005 15:54	[REDACTED]	1
07022	Thallium	SW-846 6010B	2	08/15/2005 10:05	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 10:05	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 10:05	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 10:05	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 20:09	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 20:09	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 10:05	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 10:05	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 20:09	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 10:05	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 10:05	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 20:09	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101123

**Lancaster Laboratories Sample No. WW 4582311**
**05-MET-031 Grab Water Sample**
**N(0-15)**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:59

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-031

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	1.5	J	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.							
07022	Thallium	7440-28-0	19.5	J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	224.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	13.8	J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	7.5	J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	19.4		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	28.4		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	614.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	851.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	940.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	342.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	3,870.		5.3	20.0	ug/l	1
02393	Phenols	n.a.	53.		9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.		5.0	10.	ug/l	1
	This sample was treated for sulfide using lead carbonate.							
01599	PPL Pesticides + Methoxychlor							
01600	Alpha BHC	319-84-6	N.D.		0.40	2.0	ug/l	20
01601	Beta BHC	319-85-7	N.D.		2.4	8.0	ug/l	20
01602	Gamma BHC - Lindane	58-89-9	N.D.		0.40	2.0	ug/l	20
01603	Delta BHC	319-86-8	N.D.		0.76	2.0	ug/l	20
01604	Heptachlor	76-44-8	N.D.		0.40	2.0	ug/l	20
01605	Aldrin	309-00-2	N.D.		1.0	4.0	ug/l	20
01606	Heptachlor Epoxide	1024-57-3	N.D.		0.40	2.0	ug/l	20
01607	p,p-DDE	72-55-9	0.93	J	0.80	4.0	ug/l	20
01608	p,p-DDD	72-54-8	N.D.		1.2	4.0	ug/l	20
01609	p,p-DDT	50-29-3	N.D.		1.2	4.0	ug/l	20
01610	Dieldrin	60-57-1	N.D.		2.0	6.0	ug/l	20
01611	Endrin	72-20-8	N.D.		0.80	4.0	ug/l	20
01612	Chlordane	57-74-9	N.D.		14.	100.	ug/l	20
01613	Toxaphene	8001-35-2	N.D.		60.	200.	ug/l	20
01615	Endosulfan II	33213-65-9	N.D.		0.80	4.0	ug/l	20
01616	Endosulfan I	959-98-8	N.D.		0.40	2.0	ug/l	20
01617	Endosulfan Sulfate	1031-07-8	N.D.		1.2	4.0	ug/l	20
01618	Endrin Aldehyde	7421-93-4	N.D.		4.6	20.	ug/l	20
01619	PCB-1016	12674-11-2	N.D.		20.	100.	ug/l	20

\*=This limit was used in the evaluation of the final result

AR101124

**Lancaster Laboratories Sample No. WW 4582311**
**05-MET-031 Grab Water Sample**
**N(0-15)**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:59

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-031

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	22.	100.	ug/l	20
01621	PCB-1232	11141-16-5	N.D.	20.	100.	ug/l	20
01622	PCB-1242	53469-21-9	N.D.	20.	100.	ug/l	20
01623	PCB-1248	12672-29-6	N.D.	100.	100.	ug/l	20
01624	PCB-1254	11097-69-1	N.D.	28.	100.	ug/l	20
01626	PCB-1260	11096-82-5	N.D.	20.	100.	ug/l	20
01860	Methoxychlor	72-43-5	N.D.	6.0	20.	ug/l	20
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.							
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0098	0.030	ug/l	1
The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample extraction.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	10. J	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101125



**Lancaster Laboratories Sample No. WW 4582311**
**05-MET-031 Grab Water Sample**
**N(0-15)**
**Former Metro Container Investigation**

Collected: 08/11/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:59

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-031

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	18. J	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	18. J	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	60.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	14. J	10.	50.	ug/l	1
03964	Anthracene	120-12-7	39. J	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	19. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	160.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	110.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	130.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	47. J	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	27. J	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	64.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	22. J	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	40. J	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101126

Lancaster Laboratories Sample No. WW 4582311

05-MET-031 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/11/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:59

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-031

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	2. J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	27. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	1. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	0.8 J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

\*=This limit was used in the evaluation of the final result

AR101127

Lancaster Laboratories Sample No. WW 4582311

05-MET-031 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/11/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:59

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-031

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:55	[REDACTED]	10
07022	Thallium	SW-846 6010B	2	08/15/2005 10:10	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 10:10	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 10:10	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 10:10	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 20:15	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 20:15	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 10:10	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 10:10	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 20:15	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 10:10	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 10:10	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 20:15	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:12	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:39	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 22:18	[REDACTED]	20
07879	EDB	SW-846 8011	1	08/17/2005 21:04	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 20:51	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 01:53	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101128

**Lancaster Laboratories Sample No. WW 4582311**

**05-MET-031 Grab Water Sample**

**N(0-15)**

**Former Metro Container Investigation**

Collected: 08/11/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 12:59

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-031

00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 01:53	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4582311	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug15b.b/ng15s64.d	
Level: (low/med) LOW	Date Received: 08/11/05	
% Moisture: not dec.	Date Analyzed: 08/16/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101130

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4582311  
 Sample wt/vol: 500 (g/mL) mL Lab File ID: eh0550.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	8.293	890	J
2.	!Unknown	8.437	710	J
3.	!Unknown Alkane	8.485	690	J
4.	!Unknown	8.517	940	J
5.	!Unknown Alkane	8.806	190	J
6.	!Unknown	8.854	220	J
7.	!Unknown Alkane	8.913	150	J
8.	!Unknown Alkane	8.971	210	J
9.	!Unknown	9.068	220	J
10.	!Unknown Alkane	9.110	200	J
11.	!Unknown	9.196	150	J
12.	!Pyrene, 4-methyl-	9.222	220	JX
13.	!Unknown	9.292	190	J
14.	!Unknown	9.335	220	J
15.	!Unknown Alkane	9.383	230	J
16.	!Unknown	9.436	220	J
17.	!Unknown	9.474	250	J
18.	!Unknown	9.522	190	J
19.	!Unknown	9.564	220	J
20.	!Unknown	9.612	270	J
21.	!Unknown Alkane	9.922	190	J
22.	!Unknown	10.029	130	J
23.	!Chrysene, 1-methyl-	10.115	150	JX
24.	!Unknown	10.195	190	J
25.	!Unknown	10.451	520	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101131

Lancaster Laboratories Sample No. WW 4582312

05-MET-031 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/11/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 08/22/2005 at 13:00  
Discard: 09/22/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FW031

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.4 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	5.4 J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:56	[REDACTED]	1
07022	Thallium	SW-846 6010B	2	08/15/2005 10:16	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 10:16	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 10:16	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 10:16	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 20:20	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 20:20	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 10:16	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 10:16	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 20:20	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 10:16	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 10:16	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 20:20	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101132

Lancaster Laboratories Sample No. WW 4582313

05-MET-032 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/11/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:00

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-032

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	14.2	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	N.D.	50.0	100.	ug/l	1
07035	Arsenic	7440-38-2	155.	46.5	100.	ug/l	1
07036	Selenium	7782-49-2	N.D.	47.0	100.	ug/l	1
07044	Antimony	7440-36-0	112.	32.0	100.	ug/l	1
07047	Beryllium	7440-41-7	28.2	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	361.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	1,790.	24.0	75.0	ug/l	1
07053	Copper	7440-50-8	3,340.	9.0	50.0	ug/l	1
07055	Lead	7439-92-1	9,470.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	467.	29.0	50.0	ug/l	1
07066	Silver	7440-22-4	N.D.	10.0	25.0	ug/l	1
07072	Zinc	7440-66-6	7,640.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	52.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	0.60 J	0.40	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	0.60 J	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101133



Lancaster Laboratories Sample No. WW 4582313

05-MET-032 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/11/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:00

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-032

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
07879	EDB						
01087	Ethylene dibromide	106-93-4	0.012 J	0.0098	0.029	ug/l	1
	This sample was injected numerous times and each time the ending calibration standard fell outside the method criteria. This effect is attributed to matrix. The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.						
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	200.	1,000.	ug/l	10
02752	1-Methylnaphthalene	90-12-0	N.D.	200.	1,000.	ug/l	10
03924	2-Chlorophenol	95-57-8	N.D.	200.	1,000.	ug/l	10
03925	Phenol	108-95-2	N.D.	200.	1,000.	ug/l	10
03926	2-Nitrophenol	88-75-5	N.D.	200.	1,000.	ug/l	10
03927	2,4-Dimethylphenol	105-67-9	N.D.	600.	2,000.	ug/l	10
03928	2,4-Dichlorophenol	120-83-2	N.D.	200.	1,000.	ug/l	10
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	200.	1,000.	ug/l	10
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	200.	1,000.	ug/l	10
03931	2,4-Dinitrophenol	51-28-5	N.D.	4,000.	12,000.	ug/l	10
03932	4-Nitrophenol	100-02-7	N.D.	2,000.	6,000.	ug/l	10
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1,000.	3,000.	ug/l	10
03934	Pentachlorophenol	87-86-5	N.D.	600.	3,000.	ug/l	10
03935	N-Nitrosodimethylamine	62-75-9	N.D.	400.	1,000.	ug/l	10
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	200.	1,000.	ug/l	10
03937	1,3-Dichlorobenzene	541-73-1	N.D.	200.	1,000.	ug/l	10
03938	1,4-Dichlorobenzene	106-46-7	N.D.	200.	1,000.	ug/l	10
03939	1,2-Dichlorobenzene	95-50-1	220. J	200.	1,000.	ug/l	10
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	200.	1,000.	ug/l	10
03941	Hexachloroethane	67-72-1	N.D.	200.	1,000.	ug/l	10
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	200.	1,000.	ug/l	10
03943	Nitrobenzene	98-95-3	N.D.	200.	1,000.	ug/l	10
03944	Isophorone	78-59-1	N.D.	200.	1,000.	ug/l	10
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	200.	1,000.	ug/l	10
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	200.	1,000.	ug/l	10
03947	Naphthalene	91-20-3	N.D.	200.	1,000.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101134

**Lancaster Laboratories Sample No. WW 4582313**
**05-MET-032 Grab Water Sample**
**N(0-15)**
**Former Metro Container Investigation**

Collected: 08/11/2005 15:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:00

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-032

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03948	Hexachlorobutadiene	87-68-3	N.D.	200.	1,000.	ug/l	10
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	1,000.	3,000.	ug/l	10
03950	2-Chloronaphthalene	91-58-7	N.D.	200.	1,000.	ug/l	10
03951	Acenaphthylene	208-96-8	N.D.	200.	1,000.	ug/l	10
03952	Dimethylphthalate	131-11-3	N.D.	400.	1,000.	ug/l	10
03953	2,6-Dinitrotoluene	606-20-2	N.D.	200.	1,000.	ug/l	10
03954	Acenaphthene	83-32-9	N.D.	200.	1,000.	ug/l	10
03955	2,4-Dinitrotoluene	121-14-2	N.D.	200.	1,000.	ug/l	10
03956	Fluorene	86-73-7	230. J	200.	1,000.	ug/l	10
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	200.	1,000.	ug/l	10
03958	Diethylphthalate	84-66-2	N.D.	400.	1,000.	ug/l	10
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	200.	1,000.	ug/l	10
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	400.	1,000.	ug/l	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	200.	1,000.	ug/l	10
03962	Hexachlorobenzene	118-74-1	N.D.	200.	1,000.	ug/l	10
03963	Phenanthrene	85-01-8	N.D.	200.	1,000.	ug/l	10
03964	Anthracene	120-12-7	260. J	200.	1,000.	ug/l	10
03965	Di-n-butylphthalate	84-74-2	N.D.	400.	1,000.	ug/l	10
03966	Fluoranthene	206-44-0	280. J	200.	1,000.	ug/l	10
03967	Pyrene	129-00-0	830. J	200.	1,000.	ug/l	10
03968	Benzidine	92-87-5	N.D.	4,000.	12,000.	ug/l	10
03969	Butylbenzylphthalate	85-68-7	N.D.	400.	1,000.	ug/l	10
03970	Benzo(a)anthracene	56-55-3	800. J	200.	1,000.	ug/l	10
03971	Chrysene	218-01-9	790. J	200.	1,000.	ug/l	10
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	400.	1,000.	ug/l	10
03973	bis(2-Ethylhexyl)phthalate	117-81-7	4,600.	400.	1,000.	ug/l	10
03974	Di-n-octylphthalate	117-84-0	N.D.	400.	1,000.	ug/l	10
03975	Benzo(b)fluoranthene	205-99-2	360. J	200.	1,000.	ug/l	10
03976	Benzo(k)fluoranthene	207-08-9	N.D.	200.	1,000.	ug/l	10
03977	Benzo(a)pyrene	50-32-8	380. J	200.	1,000.	ug/l	10
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	200.	1,000.	ug/l	10
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	200.	1,000.	ug/l	10
03980	Benzo(g,h,i)perylene	191-24-2	230. J	200.	1,000.	ug/l	10

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile

\*=This limit was used in the evaluation of the final result

AR101135

Lancaster Laboratories Sample No. WW 4582313

05-MET-032 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/11/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:00

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-032

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
	compounds were raised.						
	Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	0.9 J	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	2. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	5. J	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101136

Lancaster Laboratories Sample No. WW 4582313

05-MET-032 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/11/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:00

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-032

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 16:02	[REDACTED]	10
07022	Thallium	SW-846 6010B	2	08/15/2005 10:21	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 10:21	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 10:21	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 10:21	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 20:25	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 20:25	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 10:21	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 10:21	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 20:25	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 10:21	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 10:21	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 20:25	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:14	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:40	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 11:06	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/18/2005 21:29	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 21:12	[REDACTED]	10

\*=This limit was used in the evaluation of the final result

AR101137

**Lancaster Laboratories Sample No. WW 4582313**

**05-MET-032 Grab Water Sample**

**N(0-15)**

**Former Metro Container Investigation**

Collected: 08/11/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:00

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-032

07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 02:20	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 02:20	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4582313  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug15b.b/ng15s65.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture: not dec. Date Analyzed: 08/16/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.01	77	J
2.	Unknown	13.31	7	J
3.	Unknown aromatic	13.40	10	J
4.	Unknown	14.23	26	J
5.	Unknown	14.48	7	J
6.	Unknown	14.53	11	J
7.	Unknown	14.55	13	J
8.	Unknown alkane	14.61	10	J
9.	Unknown	14.74	9	J
10.	Unknown	14.79	13	J
11.	Unknown	14.88	10	J
12.	Unknown aromatic	15.02	8	J
13.	Unknown	15.10	7	J
14.	Unknown aromatic	15.16	11	J
15.	Unknown	15.26	11	J
16.				
17.				
18.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101139

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4582313  
 Sample wt/vol: 250 (g/mL) mL Lab File ID: eh0551.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/12/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	9.207	6100	J
2.	!Unknown Alkane	9.276	4500	J
3.	!Unknown	9.335	4100	J
4.	!Unknown	9.479	5300	J
5.	!Unknown Alkane	9.554	5400	J
6.	!Unknown Cycloalkane	9.613	6700	J
7.	!Unknown Alkane	9.714	8000	J
8.	!Unknown	9.885	5600	J
9.	!Unknown Alkane	9.992	5000	J
10.	!Unknown	10.083	5000	J
11.	!Unknown Alkane	10.141	6900	J
12.	!Unknown	10.275	4500	J
13.	!Unknown Alkane	10.355	4100	J
14.	!Unknown	10.446	4900	J
15.	!Unknown	10.681	5900	J
16.	!Unknown	10.777	5300	J
17.	!Unknown Alkane	10.815	8300	J
18.	!Unknown Alkane	10.953	11000	J
19.	!Unknown	11.023	10000	J
20.	!Unknown	11.103	4900	J
21.	!Unknown	11.167	7800	J
22.	!Unknown Alkane	11.226	9200	J
23.	!Unknown	11.285	4700	J
24.	!Unknown	11.365	10000	J
25.	!Unknown	11.466	5700	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101140



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4582314

05-MET-032 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/11/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 08/22/2005 at 13:01  
Discard: 09/22/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FW032

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	7.5 J		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/16/2005 16:03	[REDACTED]	1
07022	Thallium	SW-846 6010B	2	08/15/2005 10:26	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 10:26	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 10:26	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 10:26	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 20:30	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 20:30	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 10:26	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 10:26	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 20:30	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 10:26	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 10:26	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 20:30	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101141



**Lancaster Laboratories Sample No. WW 4582315**

**05-MET-033 Grab Water Sample**

**N(0-12)**

**Former Metro Container Investigation**

Collected: 08/11/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:01

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-033

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	4.8	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	21.6	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	290.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	31.5	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	22.5	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	18.4	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	12.0	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	746.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	617.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	931.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	336.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	2,630.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	90.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	0.40	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101142

**Lancaster Laboratories Sample No. WW 4582315**
**05-MET-033 Grab Water Sample**
**N(0-12)**
**Former Metro Container Investigation**

Collected: 08/11/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:01

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-033

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
This sample was injected numerous times and each time the ending calibration standard fell outside the method criteria. This effect is attributed to matrix. The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	200.	1,000.	ug/l	10
02752	1-Methylnaphthalene	90-12-0	N.D.	200.	1,000.	ug/l	10
03924	2-Chlorophenol	95-57-8	N.D.	200.	1,000.	ug/l	10
03925	Phenol	108-95-2	N.D.	200.	1,000.	ug/l	10
03926	2-Nitrophenol	88-75-5	N.D.	200.	1,000.	ug/l	10
03927	2,4-Dimethylphenol	105-67-9	N.D.	600.	2,000.	ug/l	10
03928	2,4-Dichlorophenol	120-83-2	N.D.	200.	1,000.	ug/l	10
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	200.	1,000.	ug/l	10
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	200.	1,000.	ug/l	10
03931	2,4-Dinitrophenol	51-28-5	N.D.	4,000.	12,000.	ug/l	10
03932	4-Nitrophenol	100-02-7	N.D.	2,000.	6,000.	ug/l	10
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1,000.	3,000.	ug/l	10
03934	Pentachlorophenol	87-86-5	N.D.	600.	3,000.	ug/l	10
03935	N-Nitrosodimethylamine	62-75-9	N.D.	400.	1,000.	ug/l	10
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	200.	1,000.	ug/l	10
03937	1,3-Dichlorobenzene	541-73-1	N.D.	200.	1,000.	ug/l	10
03938	1,4-Dichlorobenzene	106-46-7	N.D.	200.	1,000.	ug/l	10
03939	1,2-Dichlorobenzene	95-50-1	N.D.	200.	1,000.	ug/l	10
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	200.	1,000.	ug/l	10
03941	Hexachloroethane	67-72-1	N.D.	200.	1,000.	ug/l	10
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	200.	1,000.	ug/l	10
03943	Nitrobenzene	98-95-3	N.D.	200.	1,000.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101143

**Lancaster Laboratories Sample No. WW 4582315**
**05-MET-033 Grab Water Sample**
**N(0-12)**
**Former Metro Container Investigation**

Collected: 08/11/2005 15:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:01

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-033

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03944	Isophorone	78-59-1	N.D.	200.	1,000.	ug/l	10
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	200.	1,000.	ug/l	10
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	200.	1,000.	ug/l	10
03947	Naphthalene	91-20-3	N.D.	200.	1,000.	ug/l	10
03948	Hexachlorobutadiene	87-68-3	N.D.	200.	1,000.	ug/l	10
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	1,000.	3,000.	ug/l	10
03950	2-Chloronaphthalene	91-58-7	N.D.	200.	1,000.	ug/l	10
03951	Acenaphthylene	208-96-8	N.D.	200.	1,000.	ug/l	10
03952	Dimethylphthalate	131-11-3	N.D.	400.	1,000.	ug/l	10
03953	2,6-Dinitrotoluene	606-20-2	N.D.	200.	1,000.	ug/l	10
03954	Acenaphthene	83-32-9	N.D.	200.	1,000.	ug/l	10
03955	2,4-Dinitrotoluene	121-14-2	N.D.	200.	1,000.	ug/l	10
03956	Fluorene	86-73-7	N.D.	200.	1,000.	ug/l	10
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	200.	1,000.	ug/l	10
03958	Diethylphthalate	84-66-2	N.D.	400.	1,000.	ug/l	10
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	200.	1,000.	ug/l	10
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	400.	1,000.	ug/l	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	200.	1,000.	ug/l	10
03962	Hexachlorobenzene	118-74-1	N.D.	200.	1,000.	ug/l	10
03963	Phenanthrene	85-01-8	300. J	200.	1,000.	ug/l	10
03964	Anthracene	120-12-7	N.D.	200.	1,000.	ug/l	10
03965	Di-n-butylphthalate	84-74-2	N.D.	400.	1,000.	ug/l	10
03966	Fluoranthene	206-44-0	N.D.	200.	1,000.	ug/l	10
03967	Pyrene	129-00-0	890. J	200.	1,000.	ug/l	10
03968	Benzidine	92-87-5	N.D.	4,000.	12,000.	ug/l	10
03969	Butylbenzylphthalate	85-68-7	N.D.	400.	1,000.	ug/l	10
03970	Benzo(a)anthracene	56-55-3	640. J	200.	1,000.	ug/l	10
03971	Chrysene	218-01-9	1,000.	200.	1,000.	ug/l	10
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	400.	1,000.	ug/l	10
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	400.	1,000.	ug/l	10
03974	Di-n-octylphthalate	117-84-0	N.D.	400.	1,000.	ug/l	10
03975	Benzo(b)fluoranthene	205-99-2	280. J	200.	1,000.	ug/l	10
03976	Benzo(k)fluoranthene	207-08-9	N.D.	200.	1,000.	ug/l	10
03977	Benzo(a)pyrene	50-32-8	270. J	200.	1,000.	ug/l	10
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	200.	1,000.	ug/l	10
03979	Dibenz(a,h)anthracene	53-70-3	210. J	200.	1,000.	ug/l	10
03980	Benzo(g,h,i)perylene	191-24-2	390. J	200.	1,000.	ug/l	10

Due to sample matrix interferences observed during the extraction, the

\*=This limit was used in the evaluation of the final result

AR101144

Lancaster Laboratories Sample No. WW 4582315

05-MET-033 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/11/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:01

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-033

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
normal reporting limits could not be obtained.							
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	0.7 J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	3. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	9.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101145

Lancaster Laboratories Sample No. WW 4582315

05-MET-033 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/11/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:01

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-033

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 16:05	[REDACTED]	10
07022	Thallium	SW-846 6010B	2	08/15/2005 10:31	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 10:31	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 10:31	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 10:31	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 20:35	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 20:35	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 10:31	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 10:31	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 20:35	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 10:31	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 10:31	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 20:35	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:17	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:42	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/16/2005 22:59	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/18/2005 21:59	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101146

**Lancaster Laboratories Sample No. WW 4582315**

**05-MET-033 Grab Water Sample**

**N(0-12)**

**Former Metro Container Investigation**

Collected: 08/11/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10

Reported: 08/22/2005 at 13:01

Discard: 09/22/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-033

04678	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 21:33	[REDACTED]	10
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 02:43	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/12/2005 19:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/16/2005 02:43	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4582315  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug15b.b/ng15s66.d  
 Level: (low/med) LOW      Date Received: 08/11/05  
 % Moisture: not dec.      Date Analyzed: 08/16/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown aromatic	12.84	8	J
2.	Unknown aromatic	13.16	6	J
3.	Unknown aromatic	14.23	6	J
4.	Unknown aromatic	14.54	5	J
5.				
6.				
7.				
8.				
9.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101148

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4582315  
 Sample wt/vol: 250 (g/mL) mL Lab File ID: eh0552.d  
 Level: (low/med) LOW Date Received: 08/11/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/12/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	9.271	4800	J
2.	!Unknown Alkane	9.452	6000	J
3.	!Unknown	9.522	4300	J
4.	!Unknown Alkane	9.548	6100	J
5.	!Unknown Alkane	9.730	5500	J
6.	!Unknown	9.896	4000	J
7.	!Unknown	9.922	4800	J
8.	!Unknown Alkane	10.002	6600	J
9.	!Unknown Alkane	10.083	4300	J
10.	!Unknown	10.104	3900	J
11.	!Unknown	10.168	6900	J
12.	!Unknown Alkane	10.350	10000	J
13.	!Unknown	10.403	4800	J
14.	!Unknown	10.472	5200	J
15.	!Unknown Alkane	10.531	8200	J
16.	!Unknown	10.585	5000	J
17.	!Unknown	10.697	5800	J
18.	!Unknown Alkane	10.788	6900	J
19.	!Unknown	10.825	6300	J
20.	!Unknown	10.975	6700	J
21.	!Unknown	11.044	10000	J
22.	!Unknown	11.204	7000	J
23.	!Unknown	11.279	5000	J
24.	!Unknown Alkane	11.391	6100	J
25.	!Unknown	11.461	6000	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101149





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4582316

05-MET-033 Filtered Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/11/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 08/22/2005 at 13:02  
Discard: 09/22/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FW033

CAT No.	Analysis Name	CAS Number	As Received Result		As Received	As Received	Units	Dilution Factor
					Method	Limit of		
					Detection	Quantitation		
					Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.4	J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	10.2	J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/16/2005 16:07	[REDACTED]	1
07022	Thallium	SW-846 6010B	2	08/15/2005 10:36	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/15/2005 10:36	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/15/2005 10:36	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/15/2005 10:36	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 20:41	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 20:41	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/15/2005 10:36	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/15/2005 10:36	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 20:41	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/15/2005 10:36	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/15/2005 10:36	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 20:41	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/14/2005 20:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101150

**Lancaster Laboratories Sample No. WW 4582317**

**TB081105 Trip Blank Water Sample  
TB  
Former Metro Container Investigation**

Collected: 08/11/2005

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 08/22/2005 at 13:02  
Discard: 09/22/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WTB11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101151

**Lancaster Laboratories Sample No. WW 4582317**
**TB081105 Trip Blank Water Sample  
TB  
Former Metro Container Investigation**

Collected: 08/11/2005

Account Number: 11549

Submitted: 08/11/2005 18:10  
Reported: 08/22/2005 at 13:02  
Discard: 09/22/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WTB11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/17/2005 22:34		1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 21:39		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 21:39		n.a.
07786	EDB Extraction	SW-846 8011	1	08/15/2005 13:50		1

\* = This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4582317	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug15b.b/ng15s53.d	
Level: (low/med) LOW	Date Received: 08/11/05	
% Moisture: not dec.	Date Analyzed: 08/15/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101153

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 01:02 PM

Group Number: 955100

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 05224WAB026									
Sample number(s): 4582297, 4582299, 4582301, 4582303, 4582305, 4582307, 4582309, 4582311, 4582313, 4582315									
1,4-Dioxane	N.D.	1.	5.	ug/l	54	61	43-73	13	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	93	97	65-107	4	30
2-Chlorophenol	N.D.	1.	5.	ug/l	87	91	63-112	4	30
Phenol	N.D.	1.	5.	ug/l	42	48	29-57	12	30
2-Nitrophenol	N.D.	1.	5.	ug/l	96	100	83-119	4	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	88	92	60-107	5	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	87	93	66-110	6	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	89	92	48-114	3	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	90	92	69-111	3	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	65	66	44-130	2	30
4-Nitrophenol	N.D.	10.	30.	ug/l	45	43	16-75	4	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	78	82	56-130	5	30
Pentachlorophenol	N.D.	3.	15.	ug/l	73	71	48-108	3	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	58	60	39-84	4	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	84	87	57-110	4	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	84	88	52-102	4	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	84	88	54-103	4	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	82	85	58-99	4	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	102	105	68-133	3	30
Hexachloroethane	N.D.	1.	5.	ug/l	83	88	33-106	6	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	86	89	56-109	4	30
Nitrobenzene	N.D.	1.	5.	ug/l	89	93	61-111	4	30
Isophorone	N.D.	1.	5.	ug/l	84	86	63-105	3	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	94	96	69-119	2	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	88	92	62-101	4	30
Naphthalene	N.D.	1.	5.	ug/l	89	94	70-102	6	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	92	95	33-118	4	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	82	84	14-169	3	30
2-Chloronaphthalene	27.	1.	5.	ug/l	78	81	56-100	4	30
Acenaphthylene	N.D.	1.	5.	ug/l	105	110	65-120	5	30
Dimethylphthalate	N.D.	2.	5.	ug/l	77	78	46-109	2	30
2,6-Dinitrotoluene	15.	1.	5.	ug/l	90	93	70-108	3	30
Acenaphthene	N.D.	1.	5.	ug/l	97	99	68-111	2	30
2,4-Dinitrotoluene	12.	1.	5.	ug/l	96	98	75-122	2	30
Fluorene	1. J	1.	5.	ug/l	92	94	61-116	3	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	92	95	65-110	3	30
Diethylphthalate	N.D.	2.	5.	ug/l	90	91	61-110	1	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	92	93	62-106	2	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	93	95	63-104	2	30
4-Bromophenyl-phenylether	6.	1.	5.	ug/l	97	97	67-110	1	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	96	98	68-113	1	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 01:02 PM

Group Number: 955100

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Phenanthrene	N.D.	1.	5.	ug/l	94	95	68-111	1	30
Anthracene	N.D.	1.	5.	ug/l	92	95	68-108	4	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	93	94	63-113	1	30
Fluoranthene	N.D.	1.	5.	ug/l	90	93	66-108	3	30
Pyrene	N.D.	1.	5.	ug/l	93	94	68-114	0	30
Benzidine	N.D.	20.	60.	ug/l	61	74	20-134	20	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	91	92	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	92	93	72-112	2	30
Chrysene	N.D.	1.	5.	ug/l	94	94	70-111	0	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	65	76	39-116	16	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	89	88	62-126	1	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	97	97	58-118	0	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	102	105	67-117	3	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	103	101	67-120	2	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	103	106	68-121	3	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	94	99	67-122	5	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	103	107	71-129	4	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	96	102	67-121	5	30

Batch number: 052250010A

Sample number(s):

4582297, 4582299, 4582301, 4582303, 4582305, 4582307, 4582309, 4582311, 4582313, 4582315, 4582317

Ethylene dibromide	N.D.	0.010	0.030	ug/l	88	92	60-140	5	20
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Batch number: 052261848004

Sample number(s): 4582297-4582316

Thallium	N.D.	0.0100	0.0200	mg/l	103		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	110		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	103		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	104		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	103		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	100		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	104		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	105		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	101		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	106		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	110		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	99		90-112		

Batch number: 052270017A

Sample number(s):

4582297, 4582299, 4582301, 4582305, 4582307, 4582309, 4582311, 4582313, 4582315

Alpha BHC	N.D.	0.0020	0.010	ug/l	100	110	56-122	10	20
Beta BHC	N.D.	0.012	0.040	ug/l	120	120	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	110	110	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	100	100	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	89	91	45-130	2	20
Aldrin	N.D.	0.0052	0.020	ug/l	80	81	47-122	1	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	100	100	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	105	110	44-154	4	20
p,p-DDD	N.D.	0.0061	0.020	ug/l	114	114	42-155	0	20
p,p-DDT	N.D.	0.0040	0.020	ug/l	110	110	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	100	100	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	95	105	62-135	10	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 01:02 PM

Group Number: 955100

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS D %REC	LCS/LCSD Limits	RPD	RPD Max
Endosulfan I	N.D.	0.0020	0.010	ug/l	100	100	66-131	0	20
Endosulfan Sulfate	N.D.	0.0062	0.020	ug/l	95	100	56-140	5	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	95	95	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	120	120	49-155	0	20
Batch number: 05227117101A	Sample number(s): 4582297,4582299,4582301,4582305								
Total Cyanide	N.D.	0.0050	0.010	mg/l	106		90-110		
Batch number: 05227117101B	Sample number(s): 4582307,4582309,4582311,4582313,4582315								
Total Cyanide	N.D.	0.0050	0.010	mg/l	106		90-110		
Batch number: 052275713005	Sample number(s): 4582297-4582316								
Mercury	N.D.	0.00006 2	0.00020	mg/l	107		80-120		
Batch number: 05229120101A	Sample number(s): 4582297,4582299,4582301,4582305,4582307,4582309								
Phenols	N.D.	0.0090	0.030	mg/l	93	93	83-108	0	20
Batch number: 05229120102A	Sample number(s): 4582311,4582313,4582315								
Phenols	N.D.	0.0090	0.030	mg/l	96	96	83-108	1	20
Batch number: N052272AB	Sample number(s): 4582297,4582299,4582301,4582303,4582305,4582307,4582309,4582311,4582313,4582315,4582317								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	97	97	77-127	0	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	96	98	57-141	2	30
Chloromethane	N.D.	1.	5.	ug/l	101	98	59-177	3	30
Vinyl Chloride	N.D.	1.	5.	ug/l	99	99	71-134	0	30
Bromomethane	N.D.	1.	5.	ug/l	73	67	62-131	8	30
Chloroethane	N.D.	1.	5.	ug/l	83	80	67-127	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	104	103	70-148	1	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	106	104	79-130	1	30
Methylene Chloride	N.D.	2.	5.	ug/l	106	104	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	104	103	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	102	101	83-127	1	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	106	106	84-117	0	30
Chloroform	N.D.	0.8	5.	ug/l	101	100	86-124	1	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	98	98	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	98	97	77-130	1	30
Benzene	N.D.	0.5	5.	ug/l	107	106	85-117	1	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	96	95	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	105	104	87-117	0	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	105	105	80-117	1	30
Bromodichloromethane	N.D.	1.	5.	ug/l	92	93	83-121	0	30
Toluene	N.D.	0.7	5.	ug/l	93	94	85-115	0	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	95	95	86-113	0	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	96	94	74-125	2	30
Dibromochloromethane	N.D.	1.	5.	ug/l	86	89	78-119	3	30

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 01:02 PM

Group Number: 955100

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chlorobenzene	N.D.	0.8	5.	ug/l	94	95	85-115	0	30
Ethylbenzene	N.D.	0.8	5.	ug/l	91	92	82-119	0	30
Bromoform	N.D.	1.	5.	ug/l	85	89	69-118	4	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	89	88	72-119	1	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	84	85	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	102	102	78-114	1	30
Xylene (Total)	N.D.	0.8	5.	ug/l	92	93	83-113	1	30
Acrylonitrile	N.D.	4.	20.	ug/l	103	101	55-137	2	30
Acrolein	N.D.	40.	100.	ug/l	91	91	28-146	0	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	97	99	53-133	1	30

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052250010A	Sample number(s): 4582297, 4582299, 4582301, 4582303, 4582305, 4582307, 4582309, 4582311, 4582313, 4582315, 4582317							
Ethylene dibromide	96		65-135		N.D.	N.D.	0 (1)	30
Batch number: 052261848004	Sample number(s): 4582297-4582316							
Thallium	99	99	89-112	0	20	N.D.	N.D.	24* (1) 20
Arsenic	108	107	86-119	1	20	0.361	0.356	2 20
Selenium	95	96	80-120	0	20	0.0109 J	0.0107 J	1 (1) 20
Antimony	99	100	80-120	1	20	N.D.	0.0068 J	18 (1) 20
Beryllium	102	103	91-117	1	20	0.0018 J	0.0018 J	2 (1) 20
Cadmium	98	100	87-117	2	20	0.0053	0.0053	0 (1) 20
Chromium	103	101	86-118	1	20	0.128	0.129	1 20
Copper	112	108	89-119	2	20	0.274	0.278	1 20
Lead	102	107	87-118	3	20	0.284	0.292	3 20
Nickel	101	101	91-111	0	20	0.155	0.157	2 20
Silver	110	109	80-120	0	20	N.D.	N.D.	12 (1) 20
Zinc	115	116	80-120	0	20	1.23	1.28	4 20
Batch number: 05227117101A	Sample number(s): 4582297, 4582299, 4582301, 4582305							
Total Cyanide	16*		82-114		N.D.	N.D.	125* (1)	20
Batch number: 05227117101B	Sample number(s): 4582307, 4582309, 4582311, 4582313, 4582315							
Total Cyanide	10*		82-114		0.010	N.D.	88* (1)	20
Batch number: 052275713005	Sample number(s): 4582297-4582316							
Mercury	110	106	80-120	4	20	N.D.	N.D.	67* (1) 20
Batch number: N052272AB	Sample number(s): 4582297, 4582299, 4582301, 4582303, 4582305, 4582307, 4582309, 4582311, 4582313, 4582315, 4582317							
Methyl Tertiary Butyl Ether	122		69-134					
t-Butyl alcohol	102		51-147					
Chloromethane	106		72-208					
Vinyl Chloride	111		81-150					
Bromomethane	72		59-143					

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 01:02 PM

Group Number: 955100

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Chloroethane	92		63-142					
Trichlorofluoromethane	115		77-177					
1,1-Dichloroethene	125		87-145					
Methylene Chloride	117		79-133					
trans-1,2-Dichloroethene	121		82-133					
1,1-Dichloroethane	114		85-135					
cis-1,2-Dichloroethene	119		83-126					
Chloroform	115		82-131					
1,1,1-Trichloroethane	114		81-142					
Carbon Tetrachloride	113		79-155					
Benzene	124		83-128					
1,2-Dichloroethane	107		73-136					
Trichloroethene	120		83-136					
1,2-Dichloropropane	115		83-129					
Bromodichloromethane	104		80-129					
Toluene	105		83-127					
1,1,2-Trichloroethane	113		77-125					
Tetrachloroethene	104		78-133					
Dibromochloromethane	95		73-119					
Chlorobenzene	104		83-120					
Ethylbenzene	103		82-129					
Bromoform	92		64-119					
1,1,2,2-Tetrachloroethane	94		69-121					
trans-1,3-Dichloropropene	91		75-117					
cis-1,3-Dichloropropene	111		76-117					
Xylene (Total)	107		82-130					
Acrylonitrile	116		54-132					
Acrolein	97		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					

### Surrogate Quality Control

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05224WAB026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4582297	54	36	94	89
4582299	60	50	93	89
4582301	60	39	87	100
4582303	59	49	77	87
4582305	54	43	90	84
4582307	57	46	96	86
4582309	56	38	94	90
4582311	65	42	104	109
4582313	72	55	119	152*
4582315	53	44	93	116
Blank	53	31	94	89
LCS	58	35	95	90
LCSD	62	39	95	92
Limits:	10-99	10-80	31-148	51-123

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 01:02 PM

Group Number: 955100

### Surrogate Quality Control

	2-Fluorobiphenyl	Terphenyl-d14
4582297	82	88
4582299	91	95
4582301	96	82
4582303	73	54
4582305	84	94
4582307	88	96
4582309	88	96
4582311	110	115
4582313	135*	127
4582315	96	109
Blank	91	97
LCS	96	100
LCSD	97	99
Limits:	64-112	52-151

Analysis Name: EDB in Wastewater  
Batch number: 052250010A  
1,1,2,2-  
Tetrachloroethane

4582297	67
4582299	0*
4582301	113
4582303	0*
4582305	37*
4582307	49*
4582309	97
4582311	0*
4582313	15*
4582315	6*
4582317	101
Blank	103
DUP	91
LCS	101
LCSD	102
MS	104
Limits:	52-120

Analysis Name: PPL Pesticides in Water  
Batch number: 052270017A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4582297	102	478*
4582299	87	0*
4582301	38*	0*
4582305	102	111
4582307	103	232*
4582309	98	232*
4582311	89	216*
4582313	85	115
4582315	99	121
Blank	91	104
LCS	92	100

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/22/05 at 01:02 PM

Group Number: 955100

### Surrogate Quality Control

LCSD	97	107		
Limits:	45-125	47-155		
Analysis Name: PPL + Xylene (total) by 8260				
Batch number: N052272AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4582297	105	100	98	91
4582299	107	101	97	89
4582301	105	101	97	93
4582303	104	102	96	90
4582305	104	101	95	92
4582307	103	100	95	90
4582309	103	99	96	90
4582311	103	100	96	94
4582313	106	101	95	96
4582315	102	99	95	92
4582317	99	103	95	88
Blank	100	102	95	88
LCS	100	104	96	93
LCSD	101	104	96	93
MS	101	104	96	93
Limits:	81-120	82-112	85-112	83-113

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 935100

Sample Nos.: 4582297-317

Acc't No.: 11549

SCR No.:

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix		Analyses Requested												Remarks:		
Project Manager: <u>[REDACTED]</u>		Quote #:																		
Project Name/ID: <u>Former Metro Container Investigation</u>																				
Sampler: <u>[REDACTED]</u>																				
P.O. #:																				
Name of state where samples were collected: <u>PA</u>																				
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA	VOA TICs - 15	EDB (8011)	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals (total)	PPL Metals (filtered)	PPL Pest/PCBs	Phenol	Cyanide		
05-MET-103	8/11/05	0800	X			X		11	X	X	X	X	X	X	X	X	X	X		N(0-19)
05-MET-119		0845	X					11						X	X	X	X		N(2-12)	
05-MET-104		0930	X					11						X	X	X	X		N(0-16)	
05-MET-124		1015	X					8	X	X	X	X	X	X	X				N(3-13)	
05-MET-093		1100	X					11	X	X	X	X	X	X	X	X	X		N(2-12)	
05-MET-094		3/130	X					11											N(0-7)	
05-MET-087		1400	X					11											N(0-7)	
05-MET-031		1430	X					11											N(0-15)	
05-MET-082		1500	X					11											N(0-15)	
05-MET-033		1530	X					11											N(0-12)	
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush								Date: <u>8/11/05</u> Time: <u>1600</u>				Received by: <u>[REDACTED]</u> Date: <u>8/11/05</u> Time: <u>16:00</u>								
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)																				
Date results are needed: _____								Date: <u>8/11/05</u> Time: <u>18:00</u>				Received by: <u>[REDACTED]</u> Date: _____ Time: _____								
Rush results requested by (please circle): Fax Email																				
Fax #: _____ Email address: _____																				
Data Package Options (please circle if required)								Relinquished by: _____ Date: _____ Time: _____				Received by: _____ Date: _____ Time: _____								
QC Summary																				
Type I (Tier I)																				
Type II (Tier II)																				
Type III (NJ Reduced Del.)																				
Type IV (CLP)																				
Type VI (Raw Data)																				
GLP																				
Other																				
SDG Complete? Yes No								Relinquished by: _____ Date: _____ Time: _____				Received by: _____ Date: _____ Time: _____								
Site specific QC required? Yes No																				
(If yes, indicate QC sample and submit triplicate volume.)																				
Internal chain of custody required? Yes No								Relinquished by: _____ Date: _____ Time: _____				Received by: <u>[REDACTED]</u> Date: <u>8/11/05</u> Time: <u>1810</u>								

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 856-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR101161



## Analysis Request / Environmental Services Chain of Custody

**For Lancaster Laboratories use only**

Group No.: 955600

Sample Nos.: 4582297-317

Acc't No.: 11549

SCR No.:

Cooler temperature upon receipt: °C

[illegible]

**Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300**

**Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.**

AR101162

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 955306. Samples arrived at the laboratory on Friday, August 12, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-098 Grab Soil Sample	4583574
05-MET-019 Grab Soil Sample	4583575
05-MET-090 Grab Soil Sample	4583576
05-MET-090A Grab Soil Sample	4583577
05-MET-086 Grab Soil Sample	4583578
05-MET-081 Grab Soil Sample	4583579
05-MET-013 Grab Soil Sample	4583580
05-MET-098S Grab Soil Sample	4583581
05-MET-098V Grab Soil Sample	4583582
05-MET-082 Grab Soil Sample	4583583
05-MET-083 Grab Soil Sample	4583584
05-MET-084 Grab Soil Sample	4583585
05-MET-085 Grab Soil Sample	4583586
05-MET-091 Grab Soil Sample	4583587
05-MET-089 Grab Soil Sample	4583588
EB081205S Equipment Blank Grab Water Sample	4583589
TB081205S Trip Blank Methanol Sample	4583590

1 COPY TO      Montgomery Watson Harza

Attn: [REDACTED]

Questions? Contact your Client Services Representative

[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Group Leader



Lancaster Laboratories Sample No. SW 4583574

05-MET-098 Grab Soil Sample

N(10.5'-11')

Former Metro Container Investigation

Collected: 08/12/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:17

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-098

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0053 J	0.0031	0.114	mg/kg	1
06925	Thallium	7440-28-0	2.57	1.13	2.36	mg/kg	1
06935	Arsenic	7440-38-2	3.48	0.790	2.36	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.13	2.36	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.967	2.36	mg/kg	1
06947	Beryllium	7440-41-7	0.800	0.0507	0.590	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.101	0.590	mg/kg	1
06951	Chromium	7440-47-3	43.3	0.625	1.77	mg/kg	1
06953	Copper	7440-50-8	13.9	0.354	1.18	mg/kg	1
06955	Lead	7439-92-1	11.3	0.920	2.36	mg/kg	1
06961	Nickel	7440-02-0	20.7	0.389	1.18	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.224	0.590	mg/kg	1
06972	Zinc	7440-66-6	43.5	0.543	2.36	mg/kg	1
00111	Moisture	n.a.	18.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.60	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00104	0.00509	mg/kg	5
01219	Heptachlor	76-44-8	N.D.	0.00104	0.00509	mg/kg	5
01220	Aldrin	309-00-2	N.D.	0.00104	0.00509	mg/kg	5
01221	p,p-DDT	50-29-3	N.D.	0.00202	0.0104	mg/kg	5
01222	Dieldrin	60-57-1	N.D.	0.00275	0.0104	mg/kg	5
01223	Endrin	72-20-8	N.D.	0.00202	0.0104	mg/kg	5
01859	Methoxychlor	72-43-5	N.D.	0.0104	0.0509	mg/kg	5
01981	Alpha BHC	319-84-6	N.D.	0.00104	0.00509	mg/kg	5
01982	Beta BHC	319-85-7	N.D.	0.00104	0.00509	mg/kg	5
01983	Delta BHC	319-86-8	N.D.	0.00129	0.00509	mg/kg	5
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00104	0.00509	mg/kg	5
01985	p,p-DDE	72-55-9	0.00483 J	0.00202	0.0104	mg/kg	5
01986	p,p-DDD	72-54-8	N.D.	0.00202	0.0104	mg/kg	5
01987	Chlordane	57-74-9	N.D.	0.0245	0.104	mg/kg	5
01988	Toxaphene	8001-35-2	N.D.	0.0675	0.202	mg/kg	5
01989	Endosulfan I	959-98-8	N.D.	0.00104	0.00509	mg/kg	5
01990	Endosulfan II	33213-65-9	N.D.	0.00202	0.0104	mg/kg	5
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00202	0.0104	mg/kg	5
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00486	0.0104	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR101166

Lancaster Laboratories Sample No. SW 4583574

05-MET-098 Grab Soil Sample

N(10.5'-11')

Former Metro Container Investigation

Collected: 08/12/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:17

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-098

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0454	0.104	mg/kg	5
01994	PCB-1221	11104-28-2	N.D.	0.0202	0.104	mg/kg	5
01995	PCB-1232	11141-16-5	N.D.	0.0294	0.104	mg/kg	5
01996	PCB-1242	53469-21-9	N.D.	0.0184	0.104	mg/kg	5
01997	PCB-1248	12672-29-6	N.D.	0.0675	0.202	mg/kg	5
01998	PCB-1254	11097-69-1	N.D.	0.0202	0.104	mg/kg	5
01999	PCB-1260	11096-82-5	0.248	0.0675	0.202	mg/kg	5

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for dieldrin and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.61	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.082	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.041	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.61	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.082	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.61	mg/kg	1
01195	Pyrene	129-00-0	0.055 J	0.041	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.041	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.82	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.61	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.082	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101167

**Lancaster Laboratories Sample No. SW 4583574**
**05-MET-098 Grab Soil Sample**
**N(10.5'-11')**
**Former Metro Container Investigation**

Collected: 08/12/2005 08:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:17

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-098

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.041	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.082	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.61	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.082	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.20	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.041	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.082	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.041	0.20	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.041	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.082	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.041	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.82	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.082	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.10 J	0.041	0.20	mg/kg	1
03782	Chrysene	218-01-9	0.099 J	0.041	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.44	0.082	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.082	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.11 J	0.041	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.041	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.20 J	0.041	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.10 J	0.041	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.13 J	0.041	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.26	0.041	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.92

\*=This limit was used in the evaluation of the final result

AR101168

Lancaster Laboratories Sample No. SW 4583574

05-MET-098 Grab Soil Sample

N(10.5'-11')

Former Metro Container Investigation

Collected: 08/12/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:17

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-098

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.92
02020	t-Butyl alcohol	75-65-0	0.031 J	0.023	0.11	mg/kg	0.92
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.92
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.92
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.92
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.92
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.92
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.92
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.92
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.92
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.92
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.92
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.92
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.92
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.92
05460	Benzene	71-43-2	0.005 J	0.0006	0.006	mg/kg	0.92
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.92
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.92
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.92
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.92
05466	Toluene	108-88-3	0.002 J	0.001	0.006	mg/kg	0.92
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.92
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.92
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.92
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.92
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.92
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.92
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.92
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.92
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.92
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.92
07586	Acrolein	107-02-8	N.D.	0.023	0.11	mg/kg	0.92
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.023	mg/kg	0.92

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR101169

Lancaster Laboratories Sample No. SW 4583574

05-MET-098 Grab Soil Sample

N(10.5'-11')

Former Metro Container Investigation

Collected: 08/12/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:17

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-098

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 08:03	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/18/2005 05:40	[REDACTED]	1
06935	Arsenic	SW-846 6010B	2	08/17/2005 12:27	[REDACTED]	1
06936	Selenium	SW-846 6010B	2	08/17/2005 12:27	[REDACTED]	1
06944	Antimony	SW-846 6010B	2	08/17/2005 12:27	[REDACTED]	1
06947	Beryllium	SW-846 6010B	2	08/17/2005 12:27	[REDACTED]	1
06949	Cadmium	SW-846 6010B	2	08/17/2005 12:27	[REDACTED]	1
06951	Chromium	SW-846 6010B	2	08/17/2005 12:27	[REDACTED]	1
06953	Copper	SW-846 6010B	2	08/17/2005 12:27	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/18/2005 05:40	[REDACTED]	1
06961	Nickel	SW-846 6010B	2	08/17/2005 12:27	[REDACTED]	1
06966	Silver	SW-846 6010B	2	08/17/2005 12:27	[REDACTED]	1
06972	Zinc	SW-846 6010B	2	08/17/2005 12:27	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:37	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/18/2005 13:47	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 16:56	[REDACTED]	5
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 11:05	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 14:41	[REDACTED]	0.92
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 14:41	[REDACTED]	0.92
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101170

**Lancaster Laboratories Sample No. SW 4583574****05-MET-098 Grab Soil Sample****N(10.5'-11')****Former Metro Container Investigation**

Collected: 08/12/2005 08:00

by

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:17

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-098

05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:08		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:10		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4583574  
 Sample wt/vol: 5.46 (g/mL) g      Lab File ID: HP09193.i/05aug17a.b/xg17s03.d  
 Level: (low/med) LOW      Date Received: 08/12/05  
 % Moisture: not dec. 19      Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.96	0.43	J
2.	Unknown	3.85	7.5	J
3.	Unknown siloxane	10.24	0.008	J B
4.	Unknown siloxane	12.26	0.017	J B
5.	Unknown siloxane	13.57	0.004	J B
6.				
7.				
8.				
9.				
10.				
11.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101172

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583574  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0506.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 19 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 23 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.192	.24	JAB
2.	Unknown	6.176	.52	J
3.	Unknown	7.302	.18	J
4.	Unknown	7.437	.34	J
5.	Unknown	7.529	.19	J
6.	Unknown	7.720	.45	J
7.	Unknown	7.861	.30	J
8.	Unknown	7.997	2.3	J
9.10544-50-0	Cyclic octaatomic sulfur	8.199	.96	J
10.301-02-0	9-Octadecenamide, (Z)-	8.962	120	J
11.	Unknown	10.585	.21	J
12.	8H-Indeno[2,1-b]phenanthrene	10.640	.39	JX
13.	Unknown	10.659	.20	J
14.	Unknown Alkane	10.856	.24	J
15.	Unknown	10.893	.21	J
16.	Unknown	10.911	.21	J
17.	Unknown	10.929	.37	J
18.	Unknown	11.040	.26	J
19.	Unknown	11.065	.23	J
20.	Benzo[b]triphenylene	11.120	.33	JX
21.	1,2:7,8-Dibenzophenanthrene	11.298	.21	JX
22.	Unknown	11.643	.23	J
23.	Benzo[1,2-b:3,4-b']bis[1]ben	11.710	.28	JX
24.				
25.				
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29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101173



Lancaster Laboratories Sample No. SW 4583575

05-MET-019 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/12/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:17

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-019

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.172	0.0034	0.128	mg/kg	1
06925	Thallium	7440-28-0	2.29 J	1.26	2.62	mg/kg	1
06935	Arsenic	7440-38-2	9.40	0.877	2.62	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.26	2.62	mg/kg	1
06944	Antimony	7440-36-0	1.69 J	1.07	2.62	mg/kg	1
06947	Beryllium	7440-41-7	0.449 J	0.0563	0.654	mg/kg	1
06949	Cadmium	7440-43-9	0.247 J	0.113	0.654	mg/kg	1
06951	Chromium	7440-47-3	18.1	0.693	1.96	mg/kg	1
06953	Copper	7440-50-8	32.5	0.392	1.31	mg/kg	1
06955	Lead	7439-92-1	166.	1.02	2.62	mg/kg	1
06961	Nickel	7440-02-0	18.4	0.432	1.31	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.249	0.654	mg/kg	1
06972	Zinc	7440-66-6	102.	0.602	2.62	mg/kg	1
00111	Moisture	n.a.	26.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.66	mg/kg	1
05912	Phenols	n.a.	1.7 J	1.6	4.7	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00463	0.0226	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00463	0.0226	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00463	0.0226	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00898	0.0463	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00898	0.0463	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00898	0.0463	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0463	0.226	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00463	0.0226	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00463	0.0226	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00571	0.0226	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00463	0.0226	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00898	0.0463	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00898	0.0463	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.109	0.463	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.299	0.898	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00463	0.0226	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00898	0.0463	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00898	0.0463	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00898	0.0463	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101174

**Lancaster Laboratories Sample No. SW 4583575**

**05-MET-019 Grab Soil Sample**

**N(5.5'-6')**

**Former Metro Container Investigation**

Collected: 08/12/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:17

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-019

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.201	0.463	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0898	0.463	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.131	0.463	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0816	0.463	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.299	0.898	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0898	0.463	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.299	0.898	mg/kg	20

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	3.4	17.	mg/kg	5
01185	Phenol	108-95-2	N.D.	1.1	5.7	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	1.1	5.7	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.1	5.7	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.1	5.7	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.1	5.7	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.3	5.7	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	1.1	5.7	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	5.7	17.	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.3	5.7	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	5.7	17.	mg/kg	5
01195	Pyrene	129-00-0	8.5	1.1	5.7	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	1.1	5.7	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	1.1	5.7	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	3.4	5.7	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.1	5.7	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.1	5.7	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	23.	68.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.7	17.	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.3	5.7	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.1	5.7	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.1	5.7	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.1	5.7	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.1	5.7	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	1.1	5.7	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	1.1	5.7	mg/kg	5
03759	Isophorone	78-59-1	N.D.	1.1	5.7	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.1	5.7	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	1.1	5.7	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR101175

Lancaster Laboratories Sample No. SW 4583575

05-MET-019 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/12/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:17

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-019

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	2.3	5.7	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	5.7	17.	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	1.1	5.7	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	1.1	5.7	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	2.3	5.7	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.1	5.7	mg/kg	5
03768	Fluorene	86-73-7	N.D.	1.1	5.7	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.1	5.7	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	2.3	5.7	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.1	5.7	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.1	5.7	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.1	5.7	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	1.1	5.7	mg/kg	5
03775	Phenanthrene	85-01-8	1.6 J	1.1	5.7	mg/kg	5
03776	Anthracene	120-12-7	N.D.	1.1	5.7	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	2.3	5.7	mg/kg	5
03778	Fluoranthene	206-44-0	3.5 J	1.1	5.7	mg/kg	5
03779	Benzidine	92-87-5	N.D.	23.	68.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	2.3	5.7	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	9.5	1.1	5.7	mg/kg	5
03782	Chrysene	218-01-9	10.	1.1	5.7	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	3.4	11.	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	7.9 J	2.3	11.	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	2.3	5.7	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	10.	1.1	5.7	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	3.9 J	1.1	5.7	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	23.	1.1	5.7	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	15.	1.1	5.7	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	19.	1.1	5.7	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	36.	1.1	5.7	mg/kg	5

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

AR101176

**Lancaster Laboratories Sample No. SW 4583575**

**05-MET-019 Grab Soil Sample**

**N(5.5'-6')**

**Former Metro Container Investigation**

Collected: 08/12/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:17

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-019

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.02
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.02
02020	t-Butyl alcohol	75-65-0	N.D.	0.028	0.14	mg/kg	1.02
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.02
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.02
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.02
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.02
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.02
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.02
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.02
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.02
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1.02
05454	cis-1,2-Dichloroethene	156-59-2	0.002 J	0.001	0.007	mg/kg	1.02
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.02
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.02
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.02
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.02
05462	Trichloroethene	79-01-6	0.001 J	0.001	0.007	mg/kg	1.02
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.02
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.02
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	1.02
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.02
05468	Tetrachloroethene	127-18-4	0.002 J	0.001	0.007	mg/kg	1.02
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.02
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	1.02
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.02
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.02
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.02
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	1.02
07586	Acrolein	107-02-8	N.D.	0.028	0.14	mg/kg	1.02
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.028	mg/kg	1.02

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

AR101177

Lancaster Laboratories Sample No. SW 4583575

05-MET-019 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/12/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:17

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-019

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The GC/MS volatile internal standard peak areas were outside the QC limits. Also, a surrogate recovery was outside of QC limits. Because only one sample vial was prepared for the low level analysis, the analysis could not be repeated.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 08:07	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/18/2005 05:44	[REDACTED]	1
06935	Arsenic	SW-846 6010B	2	08/17/2005 12:32	[REDACTED]	1
06936	Selenium	SW-846 6010B	2	08/17/2005 12:32	[REDACTED]	1
06944	Antimony	SW-846 6010B	2	08/17/2005 12:32	[REDACTED]	1
06947	Beryllium	SW-846 6010B	2	08/17/2005 12:32	[REDACTED]	1
06949	Cadmium	SW-846 6010B	2	08/17/2005 12:32	[REDACTED]	1
06951	Chromium	SW-846 6010B	2	08/17/2005 12:32	[REDACTED]	1
06953	Copper	SW-846 6010B	2	08/17/2005 12:32	[REDACTED]	1
06955	Lead	SW-846 6010B	2	08/17/2005 12:32	[REDACTED]	1
06961	Nickel	SW-846 6010B	2	08/17/2005 12:32	[REDACTED]	1
06966	Silver	SW-846 6010B	2	08/17/2005 12:32	[REDACTED]	1
06972	Zinc	SW-846 6010B	2	08/17/2005 12:32	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:38	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/18/2005 14:24	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101178

Lancaster Laboratories Sample No. SW 4583575

05-MET-019 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/12/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:17

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-019

01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 17:58	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 11:26	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 15:04	[REDACTED]	1.02
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 15:04	[REDACTED]	1.02
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:14	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:11	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4583575  
 Sample wt/vol: 4.89 (g/mL) g Lab File ID: HP09193.i/05aug17a.b/xg17s04.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: not dec. 26 Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 109-66-0	Pentane	3.03	0.007	J
2. 75-15-0	Carbon disulfide	3.86	0.041	J
3.	Unknown alkane	7.47	0.008	J
4.	Unknown alkane	9.16	0.011	J
5.	Unknown siloxane	10.23	0.015	J B
6.	Unknown	12.26	0.024	J B
7.	Unknown alkane	14.15	0.01	J
8.	Unknown alicyclic	14.49	0.01	J
9.	Unknown alicyclic	14.64	0.008	J
10.	Unknown	14.76	0.011	J
11.	Unknown	14.85	0.013	J
12.	Unknown alicyclic	14.90	0.008	J
13.	Unknown	15.00	0.011	J
14.	Unknown	15.07	0.007	J
15.	Unknown	15.46	0.007	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101180

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583575  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0507.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 26 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.168	31	JAB
2.	Triphenylene, 2-methyl-	9.657	13	JX
3.	Chrysene, 1-methyl-	9.681	5.9	JX
4.	Benz[a]anthracene, 7,12-dime	9.946	13	JX
5.	Benzo[c]phenanthrene, 5,8-di	10.013	13	JX
6.	Unknown	10.591	14	J
7.	Perylene, 3-methyl-	10.646	22	JX
8.	8H-Indeno[2,1-b]phenanthrene	10.665	22	JX
9.	Unknown	10.757	11	J
10.	Unknown	10.917	25	J
11.	Unknown	10.935	27	J
12.	Unknown	11.065	15	J
13.	Benzo[b]chrysene	11.120	13	JX
14.	Unknown	11.335	9.1	J
15.	Unknown	11.532	11	J
16.	Unknown	11.575	13	J
17.	Unknown	11.649	25	J
18.	Unknown	11.686	11	J
19.	Unknown	11.722	30	J
20.	Unknown	11.790	12	J
21.	Unknown	11.889	18	J
22.	Unknown	12.091	11	J
23.	Dibenz(a,e)aceanthrylene	12.676	9.5	JX
24.	1,2:4,5-Dibenzopyrene	12.792	12	JX
25.	Unknown	12.805	17	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101181



Lancaster Laboratories Sample No. SW 4583576

05-MET-090 Grab Soil Sample

N(3'-3.5')

Former Metro Container Investigation

Collected: 08/12/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:18

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-090

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	1.21	0.0186	0.698	mg/kg	5
06925	Thallium	7440-28-0	4.06	1.33	2.77	mg/kg	1
06935	Arsenic	7440-38-2	12.4	0.927	2.77	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.33	2.77	mg/kg	1
06944	Antimony	7440-36-0	1.75 J	1.13	2.77	mg/kg	1
06947	Beryllium	7440-41-7	1.51	0.0595	0.692	mg/kg	1
06949	Cadmium	7440-43-9	0.605 J	0.119	0.692	mg/kg	1
06951	Chromium	7440-47-3	199.	0.733	2.08	mg/kg	1
06953	Copper	7440-50-8	258.	0.415	1.38	mg/kg	1
06955	Lead	7439-92-1	168.	1.08	2.77	mg/kg	1
06961	Nickel	7440-02-0	105.	0.457	1.38	mg/kg	1
06966	Silver	7440-22-4	0.447 J	0.263	0.692	mg/kg	1
06972	Zinc	7440-66-6	144.	0.636	2.77	mg/kg	1
00111	Moisture	n.a.	30.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.30 J	0.25	0.71	mg/kg	1
05912	Phenols	n.a.	N.D.	1.7	5.0	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00489	0.0239	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00489	0.0239	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00489	0.0239	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00950	0.0489	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00950	0.0489	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00950	0.0489	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0489	0.239	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00489	0.0239	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00489	0.0239	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00604	0.0239	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00489	0.0239	mg/kg	20
01985	p,p-DDE	72-55-9	0.0211 J	0.00950	0.0489	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00950	0.0489	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.115	0.489	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.317	0.950	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00489	0.0239	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00950	0.0489	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00950	0.0489	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0230	0.0489	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101182

Lancaster Laboratories Sample No. SW 4583576

05-MET-090 Grab Soil Sample  
N(3'-3.5')  
Former Metro Container Investigation

Collected: 08/12/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30  
Reported: 08/29/2005 at 11:18  
Discard: 09/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M-090

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.213	0.489	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0950	0.489	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.138	0.489	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0863	0.489	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.317	0.950	mg/kg	20
01998	PCB-1254	11097-69-1	0.399 J	0.0950	0.489	mg/kg	20
01999	PCB-1260	11096-82-5	0.556 J	0.317	0.950	mg/kg	20

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.72	3.6	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.24	1.2	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.24	1.2	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.24	1.2	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.24	1.2	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.24	1.2	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.48	1.2	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.24	1.2	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.2	3.6	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.48	1.2	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.2	3.6	mg/kg	5
01195	Pyrene	129-00-0	0.65 J	0.24	1.2	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.24	1.2	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.24	1.2	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.72	1.2	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.24	1.2	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.24	1.2	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.8	14.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.2	3.6	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.48	1.2	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.24	1.2	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.24	1.2	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	0.67 J	0.24	1.2	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.24	1.2	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.24	1.2	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.24	1.2	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.24	1.2	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.24	1.2	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.24	1.2	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR101183

Lancaster Laboratories Sample No. SW 4583576

05-MET-090 Grab Soil Sample

N(3'-3.5')

Former Metro Container Investigation

Collected: 08/12/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:18

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-090

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.48	1.2	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.2	3.6	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.24	1.2	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.24	1.2	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.48	1.2	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.24	1.2	mg/kg	5
03768	Fluorene	86-73-7	N.D.	0.24	1.2	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.24	1.2	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.48	1.2	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.24	1.2	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.24	1.2	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.24	1.2	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.24	1.2	mg/kg	5
03775	Phenanthrene	85-01-8	0.31 J	0.24	1.2	mg/kg	5
03776	Anthracene	120-12-7	N.D.	0.24	1.2	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.48	1.2	mg/kg	5
03778	Fluoranthene	206-44-0	0.49 J	0.24	1.2	mg/kg	5
03779	Benzidine	92-87-5	N.D.	4.8	14.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	1.7	0.48	1.2	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	0.32 J	0.24	1.2	mg/kg	5
03782	Chrysene	218-01-9	0.34 J	0.24	1.2	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.72	2.4	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	7.6	0.48	2.4	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.48	1.2	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	0.37 J	0.24	1.2	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.24	1.2	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	N.D.	0.24	1.2	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.24	1.2	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.24	1.2	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.24	1.2	mg/kg	5
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.003	0.013	mg/kg	1.75

\*=This limit was used in the evaluation of the final result

AR101184

Lancaster Laboratories Sample No. SW 4583576

05-MET-090 Grab Soil Sample

N(3'-3.5')

Former Metro Container Investigation

Collected: 08/12/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:18

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-090

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.013	mg/kg	1.75
02020	t-Butyl alcohol	75-65-0	N.D.	0.050	0.25	mg/kg	1.75
05444	Chloromethane	74-87-3	N.D.	0.005	0.013	mg/kg	1.75
05445	Vinyl Chloride	75-01-4	N.D.	0.003	0.013	mg/kg	1.75
05446	Bromomethane	74-83-9	N.D.	0.005	0.013	mg/kg	1.75
05447	Chloroethane	75-00-3	N.D.	0.005	0.013	mg/kg	1.75
05448	Trichlorofluoromethane	75-69-4	N.D.	0.005	0.013	mg/kg	1.75
05449	1,1-Dichloroethene	75-35-4	N.D.	0.003	0.013	mg/kg	1.75
05450	Methylene Chloride	75-09-2	N.D.	0.005	0.013	mg/kg	1.75
05451	trans-1,2-Dichloroethene	156-60-5	0.01 J	0.003	0.013	mg/kg	1.75
05452	1,1-Dichloroethane	75-34-3	0.008 J	0.003	0.013	mg/kg	1.75
05454	cis-1,2-Dichloroethene	156-59-2	0.005 J	0.003	0.013	mg/kg	1.75
05455	Chloroform	67-66-3	N.D.	0.003	0.013	mg/kg	1.75
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.003	0.013	mg/kg	1.75
05458	Carbon Tetrachloride	56-23-5	N.D.	0.003	0.013	mg/kg	1.75
05460	Benzene	71-43-2	0.002 J	0.001	0.013	mg/kg	1.75
05461	1,2-Dichloroethane	107-06-2	N.D.	0.003	0.013	mg/kg	1.75
05462	Trichloroethene	79-01-6	0.006 J	0.003	0.013	mg/kg	1.75
05463	1,2-Dichloropropane	78-87-5	N.D.	0.003	0.013	mg/kg	1.75
05465	Bromodichloromethane	75-27-4	N.D.	0.003	0.013	mg/kg	1.75
05466	Toluene	108-88-3	N.D.	0.003	0.013	mg/kg	1.75
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.003	0.013	mg/kg	1.75
05468	Tetrachloroethene	127-18-4	N.D.	0.003	0.013	mg/kg	1.75
05470	Dibromochloromethane	124-48-1	N.D.	0.003	0.013	mg/kg	1.75
05472	Chlorobenzene	108-90-7	N.D.	0.003	0.013	mg/kg	1.75
05474	Ethylbenzene	100-41-4	0.003 J	0.003	0.013	mg/kg	1.75
05478	Bromoform	75-25-2	N.D.	0.003	0.013	mg/kg	1.75
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.003	0.013	mg/kg	1.75
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.003	0.013	mg/kg	1.75
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.003	0.013	mg/kg	1.75
06301	Xylene (Total)	1330-20-7	N.D.	0.003	0.013	mg/kg	1.75
07586	Acrolein	107-02-8	N.D.	0.050	0.25	mg/kg	1.75
07587	Acrylonitrile	107-13-1	N.D.	0.010	0.050	mg/kg	1.75

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached

\*=This limit was used in the evaluation of the final result

AR101185

Lancaster Laboratories Sample No. SW 4583576

05-MET-090 Grab Soil Sample

N(3'-3.5')

Former Metro Container Investigation

Collected: 08/12/2005 10:20

by

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:18

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-090

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 09:28		5
06925	Thallium	SW-846 6010B	1	08/18/2005 05:49		1
06935	Arsenic	SW-846 6010B	2	08/17/2005 12:37		1
06936	Selenium	SW-846 6010B	2	08/17/2005 12:37		1
06944	Antimony	SW-846 6010B	2	08/17/2005 12:37		1
06947	Beryllium	SW-846 6010B	2	08/17/2005 12:37		1
06949	Cadmium	SW-846 6010B	2	08/17/2005 12:37		1
06951	Chromium	SW-846 6010B	2	08/17/2005 12:37		1
06953	Copper	SW-846 6010B	2	08/17/2005 12:37		1
06955	Lead	SW-846 6010B	2	08/17/2005 12:37		1
06961	Nickel	SW-846 6010B	2	08/17/2005 12:37		1
06966	Silver	SW-846 6010B	2	08/17/2005 12:37		1
06972	Zinc	SW-846 6010B	2	08/17/2005 12:37		1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34		1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:39		1
05912	Phenols	SW846 9066	2	08/18/2005 13:52		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 18:18		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 19:50		5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 21:33		1.75
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 21:33		1.75
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15		1

\*=This limit was used in the evaluation of the final result

AR101186

**Lancaster Laboratories Sample No. SW 4583576**

**05-MET-090 Grab Soil Sample**

**N(3'-3.5')**

**Former Metro Container Investigation**

Collected: 08/12/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:18

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-090

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:17	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:12	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/13/2005 11:13	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4583576  
 Sample wt/vol: 2.85 (g/mL) g      Lab File ID: HP09193.i/05aug17a.b/xg17s11.d  
 Level: (low/med) LOW      Date Received: 08/12/05  
 % Moisture: not dec. 31      Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.88	0.098	J
2.	Unknown siloxane	12.26	0.047	J B
3.	Unknown alkane	12.46	0.064	J
4.	Unknown alkane	12.69	0.048	J
5.	Unknown	12.91	0.058	J
6.	Unknown alkane	13.09	0.049	J
7.	Unknown alkane	13.32	0.12	J
8.	Unknown	13.47	0.052	J
9.	Unknown	13.74	0.079	J
10.	Unknown	13.89	0.046	J
11.	Unknown alkane	14.05	0.077	J
12.	Unknown	14.12	0.041	J
13.	Unknown	14.15	0.073	J
14.	Unknown	14.49	0.049	J
15.	Unknown alkane	14.70	0.042	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101188

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583576  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0584.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 31 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.124	23	JAB
2.	Unknown Alkane	6.772	2.7	J
3.	Unknown	6.846	2.5	J
4.	Unknown Cycloalkane	7.590	2.3	J
5.	Unknown	7.934	2.9	J
6.	Unknown	8.026	6.2	J
7.	Unknown Alkane	8.844	2.7	J
8.	Unknown Alkane	9.041	5.5	J
9.	Unknown Alkane	9.139	6.6	J
10.	Unknown	9.441	5.2	J
11.	Unknown	9.490	6.0	J
12.	Unknown Alkane	9.564	4.8	J
13.	Unknown Alkane	9.637	6.6	J
14.	Unknown Alkane	9.699	5.1	J
15.	Unknown	9.760	6.9	J
16.	Unknown	9.822	5.4	J
17.	Unknown Alkane	9.902	12	J
18.	Unknown	9.963	17	J
19.	Unknown	10.043	5.6	J
20.	Unknown	10.277	6.4	J
21.	Unknown	10.492	6.2	J
22.	Unknown	10.572	3.6	J
23.	Unknown	10.812	4.7	J
24.	Unknown	10.947	5.7	J
25.	Unknown	11.543	3.1	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101189



Lancaster Laboratories Sample No. SW 4583577

05-MET-090A Grab Soil Sample  
N(3'-3.5')  
Former Metro Container Investigation

Collected: 08/12/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30  
Reported: 08/29/2005 at 11:18  
Discard: 09/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M090A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.398	0.0030	0.113	mg/kg	1
06925	Thallium	7440-28-0	4.89	1.12	2.33	mg/kg	1
06935	Arsenic	7440-38-2	18.4	0.781	2.33	mg/kg	1
06936	Selenium	7782-49-2	3.48	1.12	2.33	mg/kg	1
06944	Antimony	7440-36-0	3.84	0.956	2.33	mg/kg	1
06947	Beryllium	7440-41-7	2.45	0.0501	0.583	mg/kg	1
06949	Cadmium	7440-43-9	0.596	0.100	0.583	mg/kg	1
06951	Chromium	7440-47-3	213.	0.618	1.75	mg/kg	1
06953	Copper	7440-50-8	295.	0.350	1.17	mg/kg	1
06955	Lead	7439-92-1	231.	0.909	2.33	mg/kg	1
06961	Nickel	7440-02-0	139.	0.385	1.17	mg/kg	1
06966	Silver	7440-22-4	0.668	0.221	0.583	mg/kg	1
06972	Zinc	7440-66-6	224.	0.536	2.33	mg/kg	1
00111	Moisture	n.a.	17.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
Matrix QC was performed on this sample for the cyanide analysis. Please see the attached QC Summary report for the parameter showing a matrix bias.							
05912	Phenols	n.a.	N.D.	1.5	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00412	0.0201	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00412	0.0201	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00412	0.0201	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00800	0.0412	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.0101	0.0412	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00800	0.0412	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0412	0.201	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00412	0.0201	mg/kg	20
01982	Beta BHC	319-85-7	0.00675 J	0.00412	0.0201	mg/kg	20
01983	Delta BHC	319-86-8	0.0196 J	0.00509	0.0201	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00412	0.0201	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0606	0.0606	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00800	0.0412	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.101	0.412	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.267	0.800	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00412	0.0201	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00800	0.0412	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101190

Lancaster Laboratories Sample No. SW 4583577

05-MET-090A Grab Soil Sample  
N(3'-3.5')  
Former Metro Container Investigation

Collected: 08/12/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30  
Reported: 08/29/2005 at 11:18  
Discard: 09/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M090A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0133	0.0412	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0994	0.0994	mg/kg	20
01993	PCB-1016	12674-11-2	N.D.	0.179	0.412	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0800	0.412	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.116	0.412	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0727	0.412	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.267	0.800	mg/kg	20
01998	PCB-1254	11097-69-1	1.35	0.0800	0.412	mg/kg	20
01999	PCB-1260	11096-82-5	2.29	0.267	0.800	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.61	3.0	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.20	1.0	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.20	1.0	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.20	1.0	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.20	1.0	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	0.27 J	0.20	1.0	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.40	1.0	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.20	1.0	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.0	3.0	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.40	1.0	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.0	3.0	mg/kg	5
01195	Pyrene	129-00-0	1.0 J	0.20	1.0	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.20	1.0	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.20	1.0	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.61	1.0	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.20	1.0	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.20	1.0	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.0	12.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.0	3.0	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.40	1.0	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.20	1.0	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.20	1.0	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	0.67 J	0.20	1.0	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.20	1.0	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.20	1.0	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.20	1.0	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.20	1.0	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR101191

Lancaster Laboratories Sample No. SW 4583577

05-MET-090A Grab Soil Sample

N(3'-3.5')

Former Metro Container Investigation

Collected: 08/12/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:18

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M090A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.20	1.0	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.20	1.0	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.40	1.0	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.0	3.0	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.20	1.0	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.20	1.0	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.40	1.0	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.20	1.0	mg/kg	5
03768	Fluorene	86-73-7	0.21 J	0.20	1.0	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.20	1.0	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.40	1.0	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.20	1.0	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.20	1.0	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.20	1.0	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.20	1.0	mg/kg	5
03775	Phenanthrene	85-01-8	0.34 J	0.20	1.0	mg/kg	5
03776	Anthracene	120-12-7	N.D.	0.20	1.0	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.40	1.0	mg/kg	5
03778	Fluoranthene	206-44-0	0.63 J	0.20	1.0	mg/kg	5
03779	Benzidine	92-87-5	N.D.	4.0	12.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	1.4	0.40	1.0	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	0.42 J	0.20	1.0	mg/kg	5
03782	Chrysene	218-01-9	0.48 J	0.20	1.0	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.61	2.0	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	10.	0.40	2.0	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.40	1.0	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	0.51 J	0.20	1.0	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.20	1.0	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	0.34 J	0.20	1.0	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.22 J	0.20	1.0	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.20	1.0	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	0.34 J	0.20	1.0	mg/kg	5

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4583577

05-MET-090A Grab Soil Sample

N(3'-3.5')

Former Metro Container Investigation

Collected: 08/12/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:18

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M090A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.18
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.18
02020	t-Butyl alcohol	75-65-0	N.D.	0.029	0.14	mg/kg	1.18
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.18
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.18
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.18
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.18
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.18
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.18
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.18
05451	trans-1,2-Dichloroethene	156-60-5	0.009	0.001	0.007	mg/kg	1.18
05452	1,1-Dichloroethane	75-34-3	0.005 J	0.001	0.007	mg/kg	1.18
05454	cis-1,2-Dichloroethene	156-59-2	0.005 J	0.001	0.007	mg/kg	1.18
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.18
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.18
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.18
05460	Benzene	71-43-2	0.002 J	0.0007	0.007	mg/kg	1.18
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.18
05462	Trichloroethene	79-01-6	0.005 J	0.001	0.007	mg/kg	1.18
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.18
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.18
05466	Toluene	108-88-3	0.004 J	0.001	0.007	mg/kg	1.18
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.18
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.18
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.18
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.18
05474	Ethylbenzene	100-41-4	0.013	0.001	0.007	mg/kg	1.18
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.18
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.18
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.18
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.18
06301	Xylene (Total)	1330-20-7	0.009	0.001	0.007	mg/kg	1.18
07586	Acrolein	107-02-8	N.D.	0.029	0.14	mg/kg	1.18
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.029	mg/kg	1.18

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4583577

05-MET-090A Grab Soil Sample

N(3'-3.5')

Former Metro Container Investigation

Collected: 08/12/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:18

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M090A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 08:10	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/18/2005 05:54	[REDACTED]	1
06935	Arsenic	SW-846 6010B	2	08/17/2005 12:43	[REDACTED]	1
06936	Selenium	SW-846 6010B	2	08/17/2005 12:43	[REDACTED]	1
06944	Antimony	SW-846 6010B	2	08/17/2005 12:43	[REDACTED]	1
06947	Beryllium	SW-846 6010B	2	08/17/2005 12:43	[REDACTED]	1
06949	Cadmium	SW-846 6010B	2	08/17/2005 12:43	[REDACTED]	1
06951	Chromium	SW-846 6010B	2	08/17/2005 12:43	[REDACTED]	1
06953	Copper	SW-846 6010B	2	08/17/2005 12:43	[REDACTED]	1
06955	Lead	SW-846 6010B	2	08/17/2005 12:43	[REDACTED]	1
06961	Nickel	SW-846 6010B	2	08/17/2005 12:43	[REDACTED]	1
06966	Silver	SW-846 6010B	2	08/17/2005 12:43	[REDACTED]	1
06972	Zinc	SW-846 6010B	2	08/17/2005 12:43	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:41	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/18/2005 13:53	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 18:39	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 12:08	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 21:56	[REDACTED]	1.18
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 21:56	[REDACTED]	1.18
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101194

**Lancaster Laboratories Sample No. SW 4583577**

**05-MET-090A Grab Soil Sample**

**N(3'-3.5')**

**Former Metro Container Investigation**

Collected: 08/12/2005 10:30

by ■

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:18

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M090A

05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00	■■■■■■■■■■	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	■■■■■■■■	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	■■■■■■■■	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20	■■■■■■■■■■■■■■■■	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:20	■■■■■■■■■■	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:14	■■■■■■■■■■■■■■■■	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/13/2005 11:14	■■■■■■■■■■■■■■■■	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4583577  
 Sample wt/vol: 4.24 (g/mL) g      Lab File ID: HP09193.i/05aug17a.b/xg17s12.d  
 Level: (low/med) LOW      Date Received: 08/12/05  
 % Moisture: not dec. 18      Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.86	0.084	J
2.	Unknown alicyclic	11.93	0.089	J
3.	Unknown alkane	12.46	0.064	J
4.	Unknown alkane	12.69	0.052	J
5.	Unknown	12.92	0.041	J
6.	Unknown alkane	13.09	0.056	J
7.	Unknown	13.32	0.11	J
8.	Unknown aromatic	13.39	0.045	J
9.	Unknown	13.47	0.059	J
10.	Unknown aromatic	13.52	0.038	J
11.	Unknown	13.74	0.072	J
12.	Unknown	13.89	0.051	J
13.	Unknown alkane	14.05	0.061	J
14.	Unknown	14.12	0.036	J
15.	Unknown	14.15	0.054	J
16.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101196

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583577  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0509.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.174	20	JAB
2.140-66-9	Phenol, 4-(1,1,3,3-tetrameth	6.459	7.9	J
3.	Unknown Alkane	8.821	2.6	J
4.	Unknown Alkane	8.888	2.6	J
5.	Unknown Alkane	9.116	8.5	J
6.	Unknown Alkane	9.226	6.1	J
7.	Unknown Cycloalkane	9.491	2.7	J
8.	Unknown Alkane	9.595	2.3	J
9.	Unknown Alkane	9.743	2.9	J
10.	Unknown	9.817	3.4	J
11.	Unknown Alkane	9.952	3.6	J
12.	Unknown Alkane	10.007	2.5	J
13.	Unknown	10.130	2.9	J
14.	Unknown Alkane	10.210	2.4	J
15.	Unknown	10.247	2.4	J
16.	Unknown	10.272	4.1	J
17.	Unknown	10.327	3.1	J
18.	Unknown	10.401	5.2	J
19.	Unknown	10.554	5.8	J
20.	Unknown	10.813	3.5	J
21.	Unknown	10.874	5.7	J
22.	Unknown	11.077	3.4	J
23.	Unknown Alkane	11.458	2.8	J
24.	Unknown Alkane	11.624	2.9	J
25.	Unknown Alkane	11.981	5.5	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101197



**Lancaster Laboratories Sample No. SW 4583578**
**05-MET-086 Grab Soil Sample**
**N(2.5'-3')**
**Former Metro Container Investigation**

Collected: 08/12/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-086

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	7.36	0.0610	2.29	mg/kg	20
06925	Thallium	7440-28-0	2.01 J	1.08	2.25	mg/kg	1
06935	Arsenic	7440-38-2	12.4	0.753	2.25	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.08	2.25	mg/kg	1
06944	Antimony	7440-36-0	4.47	0.921	2.25	mg/kg	1
06947	Beryllium	7440-41-7	0.652	0.0483	0.562	mg/kg	1
06949	Cadmium	7440-43-9	18.4	0.0966	0.562	mg/kg	1
06951	Chromium	7440-47-3	122.	0.595	1.68	mg/kg	1
06953	Copper	7440-50-8	186.	0.337	1.12	mg/kg	1
06955	Lead	7439-92-1	790.	0.876	2.25	mg/kg	1
06961	Nickel	7440-02-0	52.3	0.371	1.12	mg/kg	1
06966	Silver	7440-22-4	0.681	0.213	0.562	mg/kg	1
06972	Zinc	7440-66-6	792.	0.517	2.25	mg/kg	1
00111	Moisture	n.a.	14.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.38 J	0.21	0.58	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0496	0.242	mg/kg	250
01219	Heptachlor	76-44-8	N.D.	0.0496	0.242	mg/kg	250
01220	Aldrin	309-00-2	N.D.	0.0496	0.242	mg/kg	250
01221	p,p-DDT	50-29-3	N.D.	0.0964	0.496	mg/kg	250
01222	Dieldrin	60-57-1	N.D.	0.0964	0.496	mg/kg	250
01223	Endrin	72-20-8	N.D.	0.0964	0.496	mg/kg	250
01859	Methoxychlor	72-43-5	N.D.	0.496	2.42	mg/kg	250
01981	Alpha BHC	319-84-6	N.D.	0.0496	0.242	mg/kg	250
01982	Beta BHC	319-85-7	N.D.	0.0496	0.242	mg/kg	250
01983	Delta BHC	319-86-8	N.D.	0.0613	0.242	mg/kg	250
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0496	0.242	mg/kg	250
01985	p,p-DDE	72-55-9	N.D.	0.993	0.993	mg/kg	250
01986	p,p-DDD	72-54-8	N.D.	0.0964	0.496	mg/kg	250
01987	Chlordane	57-74-9	N.D.	4.96	4.96	mg/kg	250
01988	Toxaphene	8001-35-2	N.D.	3.21	9.64	mg/kg	250
01989	Endosulfan I	959-98-8	N.D.	0.0496	0.242	mg/kg	250
01990	Endosulfan II	33213-65-9	N.D.	0.0964	0.496	mg/kg	250
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0964	0.496	mg/kg	250
01992	Endrin Aldehyde	7421-93-4	0.279 J	0.0964	0.496	mg/kg	250

\*=This limit was used in the evaluation of the final result

AR101198

Lancaster Laboratories Sample No. SW 4583578

05-MET-086 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/12/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-086

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	2.16	4.96	mg/kg	250
01994	PCB-1221	11104-28-2	N.D.	0.964	4.96	mg/kg	250
01995	PCB-1232	11141-16-5	N.D.	1.40	4.96	mg/kg	250
01996	PCB-1242	53469-21-9	N.D.	0.876	4.96	mg/kg	250
01997	PCB-1248	12672-29-6	11.2	3.21	9.64	mg/kg	250
01998	PCB-1254	11097-69-1	17.2	0.964	4.96	mg/kg	250
01999	PCB-1260	11096-82-5	6.50 J	3.21	9.64	mg/kg	250

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and chlordane.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.58	2.9	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.19	0.97	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.19	0.97	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.19	0.97	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.19	0.97	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	0.22 J	0.19	0.97	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.39	0.97	mg/kg	1
01191	Acenaphthene	83-32-9	3.2	0.19	0.97	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.97	2.9	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.39	0.97	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.97	2.9	mg/kg	1
01195	Pyrene	129-00-0	14.	0.19	0.97	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	7.1	0.19	0.97	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.19	0.97	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.58	0.97	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.19	0.97	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.19	0.97	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	3.9	12.	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.97	2.9	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.39	0.97	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.19	0.97	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.19	0.97	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.19	0.97	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.19	0.97	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.19	0.97	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101199

Lancaster Laboratories Sample No. SW 4583578

05-MET-086 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/12/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-086

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.19	0.97	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.19	0.97	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.19	0.97	mg/kg	1
03761	Naphthalene	91-20-3	0.51 J	0.19	0.97	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.39	0.97	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.97	2.9	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.19	0.97	mg/kg	1
03765	Acenaphthylene	208-96-8	0.53 J	0.19	0.97	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.39	0.97	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.19	0.97	mg/kg	1
03768	Fluorene	86-73-7	6.2	0.19	0.97	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.19	0.97	mg/kg	1
03770	Diethylphthalate	84-66-2	0.44 J	0.39	0.97	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.19	0.97	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.19	0.97	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.19	0.97	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.19	0.97	mg/kg	1
03775	Phenanthrene	85-01-8	21.	0.19	0.97	mg/kg	1
03776	Anthracene	120-12-7	7.7	0.19	0.97	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	1.9	0.39	0.97	mg/kg	1
03778	Fluoranthene	206-44-0	9.8	0.19	0.97	mg/kg	1
03779	Benzidine	92-87-5	N.D.	3.9	12.	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	2.3	0.39	0.97	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	4.5	0.19	0.97	mg/kg	1
03782	Chrysene	218-01-9	4.7	0.19	0.97	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.58	1.9	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	35.	0.78	3.9	mg/kg	2
03785	Di-n-octylphthalate	117-84-0	N.D.	0.39	0.97	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	4.7	0.19	0.97	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	1.9	0.19	0.97	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	3.6	0.19	0.97	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	2.5	0.19	0.97	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	1.1	0.19	0.97	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	3.1	0.19	0.97	mg/kg	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

AR101200

**Lancaster Laboratories Sample No. SW 4583578**

**05-MET-086 Grab Soil Sample**

**N(2.5'-3')**

**Former Metro Container Investigation**

Collected: 08/12/2005 11:20

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-086

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.057	0.29	mg/kg	49.21
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.029	0.29	mg/kg	49.21
02020	t-Butyl alcohol	75-65-0	N.D.	1.1	5.7	mg/kg	49.21
05444	Chloromethane	74-87-3	N.D.	0.11	0.29	mg/kg	49.21
05445	Vinyl Chloride	75-01-4	N.D.	0.057	0.29	mg/kg	49.21
05446	Bromomethane	74-83-9	N.D.	0.11	0.29	mg/kg	49.21
05447	Chloroethane	75-00-3	N.D.	0.11	0.29	mg/kg	49.21
05448	Trichlorofluoromethane	75-69-4	N.D.	0.11	0.29	mg/kg	49.21
05449	1,1-Dichloroethene	75-35-4	N.D.	0.057	0.29	mg/kg	49.21
05450	Methylene Chloride	75-09-2	N.D.	0.11	0.29	mg/kg	49.21
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.057	0.29	mg/kg	49.21
05452	1,1-Dichloroethane	75-34-3	N.D.	0.057	0.29	mg/kg	49.21
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.057	0.29	mg/kg	49.21
05455	Chloroform	67-66-3	N.D.	0.057	0.29	mg/kg	49.21
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.057	0.29	mg/kg	49.21
05458	Carbon Tetrachloride	56-23-5	N.D.	0.057	0.29	mg/kg	49.21
05460	Benzene	71-43-2	0.093 J	0.029	0.29	mg/kg	49.21
05461	1,2-Dichloroethane	107-06-2	N.D.	0.057	0.29	mg/kg	49.21
05462	Trichloroethene	79-01-6	N.D.	0.057	0.29	mg/kg	49.21
05463	1,2-Dichloropropane	78-87-5	N.D.	0.057	0.29	mg/kg	49.21
05465	Bromodichloromethane	75-27-4	N.D.	0.057	0.29	mg/kg	49.21
05466	Toluene	108-88-3	1.0	0.057	0.29	mg/kg	49.21
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.057	0.29	mg/kg	49.21
05468	Tetrachloroethene	127-18-4	N.D.	0.057	0.29	mg/kg	49.21
05470	Dibromochloromethane	124-48-1	N.D.	0.057	0.29	mg/kg	49.21
05472	Chlorobenzene	108-90-7	N.D.	0.057	0.29	mg/kg	49.21
05474	Ethylbenzene	100-41-4	0.40	0.057	0.29	mg/kg	49.21
05478	Bromoform	75-25-2	N.D.	0.057	0.29	mg/kg	49.21
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.057	0.29	mg/kg	49.21
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.057	0.29	mg/kg	49.21
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.057	0.29	mg/kg	49.21
06301	Xylene (Total)	1330-20-7	5.3	0.057	0.29	mg/kg	49.21
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.11	0.57	mg/kg	49.21
07586	Acrolein	107-02-8	N.D.	1.1	5.7	mg/kg	49.21
07587	Acrylonitrile	107-13-1	N.D.	0.23	1.1	mg/kg	49.21

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting

\*=This limit was used in the evaluation of the final result

AR101201

Lancaster Laboratories Sample No. SW 4583578

05-MET-086 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/12/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-086

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 09:30	[REDACTED]	20
06925	Thallium	SW-846 6010B	1	08/18/2005 05:59	[REDACTED]	1
06935	Arsenic	SW-846 6010B	2	08/17/2005 12:48	[REDACTED]	1
06936	Selenium	SW-846 6010B	2	08/17/2005 12:48	[REDACTED]	1
06944	Antimony	SW-846 6010B	2	08/17/2005 12:48	[REDACTED]	1
06947	Beryllium	SW-846 6010B	2	08/17/2005 12:48	[REDACTED]	1
06949	Cadmium	SW-846 6010B	2	08/17/2005 12:48	[REDACTED]	1
06951	Chromium	SW-846 6010B	2	08/17/2005 12:48	[REDACTED]	1
06953	Copper	SW-846 6010B	2	08/17/2005 12:48	[REDACTED]	1
06955	Lead	SW-846 6010B	2	08/17/2005 12:48	[REDACTED]	1
06961	Nickel	SW-846 6010B	2	08/17/2005 12:48	[REDACTED]	1
06966	Silver	SW-846 6010B	2	08/17/2005 12:48	[REDACTED]	1
06972	Zinc	SW-846 6010B	2	08/17/2005 12:48	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:46	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101202

Lancaster Laboratories Sample No. SW 4583578

05-MET-086 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/12/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-086

05912	Phenols	SW846 9066	2	08/18/2005 13:57	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 00:08	[REDACTED]	250
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 12:29	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 20:11	[REDACTED]	2
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 18:37	[REDACTED]	49.21
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 18:37	[REDACTED]	49.21
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:10	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:15	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/13/2005 11:15	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4583578  
 Sample wt/vol: 5.08 (g/mL) g      Lab File ID: HP07566.i/05aug18b.b/rg18s33.d  
 Level: (low/med) MED      Date Received: 08/12/05  
 % Moisture: not dec. 14      Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP      Dilution Factor: 49.2  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108-87-2	Cyclohexane, methyl-	8.59	8.7	J
2.	Unknown alicyclic	12.02	8.2	J
3.	Unknown aromatic	12.12	6.0	J
4.	Unknown alkane	12.19	3.8	J
5. 103-65-1	Benzene, propyl-	12.44	4.2	J
6.	Unknown aromatic	12.56	6.0	J
7.	Unknown alkane	12.78	4.3	J
8.	Unknown aromatic	12.85	11	J
9.	Unknown alicyclic	13.03	3.9	J
10.	Unknown aromatic	13.32	3.7	J
11.	Unknown aromatic	13.35	4.6	J
12.	Unknown aromatic	13.62	5.0	J
13.	Unknown aromatic	14.22	4.7	J
14.	Unknown	15.16	7.7	J
15.	Unknown aromatic	15.45	5.3	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
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24.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101204

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583578  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0510.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 14 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.174	10	JAB
2.	Unknown Alkane	2.887	13	J
3.	Unknown	3.090	13	J
4.	Unknown Alkane	3.520	14	J
5.	Unknown	3.606	11	J
6.	Unknown	6.459	8.8	J
7.	Unknown Alkane	6.828	4.7	J
8.	Unknown Alkane	8.833	21	J
9.	Unknown	9.195	16	J
10.	Unknown Alkane	9.343	38	J
11.	Unknown	9.361	19	J
12.	Unknown Alkane	9.484	36	J
13.	Unknown Alkane	9.614	19	J
14.	Unknown	9.761	22	J
15.	Unknown Alkane	9.823	19	J
16.	Unknown	9.989	26	J
17.	Unknown Alkane	10.032	25	J
18.	Unknown Alkane	10.554	23	J
19.	Unknown Alkane	10.819	32	J
20.	Unknown	10.892	43	J
21.	Unknown Alkane	11.009	26	J
22.	Unknown	11.102	21	J
23.	Unknown	11.360	29	J
24.	Unknown Alkane	11.643	34	J
25.	Unknown Alkane	11.999	34	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101205



Lancaster Laboratories Sample No. SW 4583579

05-MET-081 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-081

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	1.00	0.0147	0.551	mg/kg	5
06925	Thallium	7440-28-0	2.59	1.10	2.28	mg/kg	1
06935	Arsenic	7440-38-2	12.2	0.765	2.28	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.10	2.28	mg/kg	1
06944	Antimony	7440-36-0	0.979 J	0.936	2.28	mg/kg	1
06947	Beryllium	7440-41-7	0.597	0.0491	0.571	mg/kg	1
06949	Cadmium	7440-43-9	3.55	0.0982	0.571	mg/kg	1
06951	Chromium	7440-47-3	129.	0.605	1.71	mg/kg	1
06953	Copper	7440-50-8	72.3	0.343	1.14	mg/kg	1
06955	Lead	7439-92-1	253.	0.891	2.28	mg/kg	1
06961	Nickel	7440-02-0	38.3	0.377	1.14	mg/kg	1
06966	Silver	7440-22-4	0.475 J	0.217	0.571	mg/kg	1
06972	Zinc	7440-66-6	216.	0.525	2.28	mg/kg	1
00111	Moisture	n.a.	15.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.57	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0101	0.0493	mg/kg	50
01219	Heptachlor	76-44-8	N.D.	0.0101	0.0493	mg/kg	50
01220	Aldrin	309-00-2	N.D.	0.0101	0.0493	mg/kg	50
01221	p,p-DDT	50-29-3	N.D.	0.0196	0.101	mg/kg	50
01222	Dieldrin	60-57-1	N.D.	0.0196	0.101	mg/kg	50
01223	Endrin	72-20-8	N.D.	0.0196	0.101	mg/kg	50
01859	Methoxychlor	72-43-5	N.D.	0.101	0.493	mg/kg	50
01981	Alpha BHC	319-84-6	N.D.	0.0101	0.0493	mg/kg	50
01982	Beta BHC	319-85-7	N.D.	0.0101	0.0493	mg/kg	50
01983	Delta BHC	319-86-8	N.D.	0.0125	0.0493	mg/kg	50
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0493	0.0493	mg/kg	50
01985	p,p-DDE	72-55-9	N.D.	0.285	0.285	mg/kg	50
01986	p,p-DDD	72-54-8	N.D.	0.0196	0.101	mg/kg	50
01987	Chlordane	57-74-9	N.D.	1.01	1.01	mg/kg	50
01988	Toxaphene	8001-35-2	N.D.	0.653	1.96	mg/kg	50
01989	Endosulfan I	959-98-8	N.D.	0.0101	0.0493	mg/kg	50
01990	Endosulfan II	33213-65-9	N.D.	0.0196	0.101	mg/kg	50
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0196	0.101	mg/kg	50
01992	Endrin Aldehyde	7421-93-4	N.D.	0.214	0.214	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR101206

Lancaster Laboratories Sample No. SW 4583579

05-MET-081 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-081

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.439	1.01	mg/kg	50
01994	PCB-1221	11104-28-2	N.D.	0.196	1.01	mg/kg	50
01995	PCB-1232	11141-16-5	N.D.	0.285	1.01	mg/kg	50
01996	PCB-1242	53469-21-9	N.D.	0.178	1.01	mg/kg	50
01997	PCB-1248	12672-29-6	3.69	0.653	1.96	mg/kg	50
01998	PCB-1254	11097-69-1	10.1	0.196	1.01	mg/kg	50
01999	PCB-1260	11096-82-5	12.3	0.653	1.96	mg/kg	50

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for heptachlor epoxide, 4,4'-DDE and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.2	5.9	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.40	2.0	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.40	2.0	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.40	2.0	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.40	2.0	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.40	2.0	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.79	2.0	mg/kg	10
01191	Acenaphthene	83-32-9	0.84 J	0.40	2.0	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.0	5.9	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.79	2.0	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.0	5.9	mg/kg	10
01195	Pyrene	129-00-0	6.2	0.40	2.0	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.40	2.0	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.40	2.0	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.2	2.0	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.40	2.0	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.40	2.0	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	7.9	24.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.0	5.9	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.79	2.0	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.40	2.0	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.40	2.0	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	0.56 J	0.40	2.0	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.40	2.0	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101207

Lancaster Laboratories Sample No. SW 4583579

05-MET-081 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-081

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.40	2.0	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.40	2.0	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.40	2.0	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.40	2.0	mg/kg	10
03761	Naphthalene	91-20-3	0.51 J	0.40	2.0	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.79	2.0	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.0	5.9	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.40	2.0	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.40	2.0	mg/kg	10
03766	Dimethylphthalate	131-11-3	1.0 J	0.79	2.0	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.40	2.0	mg/kg	10
03768	Fluorene	86-73-7	0.74 J	0.40	2.0	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.40	2.0	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.79	2.0	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.40	2.0	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.40	2.0	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.40	2.0	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.40	2.0	mg/kg	10
03775	Phenanthrene	85-01-8	2.6	0.40	2.0	mg/kg	10
03776	Anthracene	120-12-7	1.2 J	0.40	2.0	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.79	2.0	mg/kg	10
03778	Fluoranthene	206-44-0	3.6	0.40	2.0	mg/kg	10
03779	Benzidine	92-87-5	N.D.	7.9	24.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.79	2.0	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	3.0	0.40	2.0	mg/kg	10
03782	Chrysene	218-01-9	4.4	0.40	2.0	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.2	4.0	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	11.	0.79	4.0	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.79	2.0	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	2.7	0.40	2.0	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	1.0 J	0.40	2.0	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	3.4	0.40	2.0	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.8 J	0.40	2.0	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	1.8 J	0.40	2.0	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	4.0	0.40	2.0	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR101208

Lancaster Laboratories Sample No. SW 4583579

05-MET-081 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-081

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	1.06
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	1.06
02020	t-Butyl alcohol	75-65-0	N.D.	0.025	0.13	mg/kg	1.06
05444	Chloromethane	74-87-3	N.D.	0.003	0.006	mg/kg	1.06
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	1.06
05446	Bromomethane	74-83-9	N.D.	0.003	0.006	mg/kg	1.06
05447	Chloroethane	75-00-3	N.D.	0.003	0.006	mg/kg	1.06
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.006	mg/kg	1.06
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	1.06
05450	Methylene Chloride	75-09-2	0.003 J	0.003	0.006	mg/kg	1.06
05451	trans-1,2-Dichloroethene	156-60-5	0.011	0.001	0.006	mg/kg	1.06
05452	1,1-Dichloroethane	75-34-3	0.004 J	0.001	0.006	mg/kg	1.06
05454	cis-1,2-Dichloroethene	156-59-2	0.066	0.001	0.006	mg/kg	1.06
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	1.06
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	1.06
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	1.06
05460	Benzene	71-43-2	0.006 J	0.0006	0.006	mg/kg	1.06
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	1.06
05462	Trichloroethene	79-01-6	0.031	0.001	0.006	mg/kg	1.06
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	1.06
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	1.06
05466	Toluene	108-88-3	0.024	0.001	0.006	mg/kg	1.06
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	1.06
05468	Tetrachloroethene	127-18-4	0.048	0.001	0.006	mg/kg	1.06
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	1.06
05472	Chlorobenzene	108-90-7	0.005 J	0.001	0.006	mg/kg	1.06
05474	Ethylbenzene	100-41-4	0.008	0.001	0.006	mg/kg	1.06
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	1.06
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	1.06
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	1.06
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	1.06
06301	Xylene (Total)	1330-20-7	0.022	0.001	0.006	mg/kg	1.06
07586	Acrolein	107-02-8	N.D.	0.025	0.13	mg/kg	1.06
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.025	mg/kg	1.06

The GC/MS volatile internal standard peak areas were outside the QC limits

\*=This limit was used in the evaluation of the final result

AR101209

Lancaster Laboratories Sample No. SW 4583579

05-MET-081 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-081

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 09:33	[REDACTED]	5
06925	Thallium	SW-846 6010B	1	08/18/2005 06:03	[REDACTED]	1
06935	Arsenic	SW-846 6010B	2	08/17/2005 12:54	[REDACTED]	1
06936	Selenium	SW-846 6010B	2	08/17/2005 12:54	[REDACTED]	1
06944	Antimony	SW-846 6010B	2	08/17/2005 12:54	[REDACTED]	1
06947	Beryllium	SW-846 6010B	2	08/17/2005 12:54	[REDACTED]	1
06949	Cadmium	SW-846 6010B	2	08/17/2005 12:54	[REDACTED]	1
06951	Chromium	SW-846 6010B	2	08/17/2005 12:54	[REDACTED]	1
06953	Copper	SW-846 6010B	2	08/17/2005 12:54	[REDACTED]	1
06955	Lead	SW-846 6010B	2	08/17/2005 12:54	[REDACTED]	1
06961	Nickel	SW-846 6010B	2	08/17/2005 12:54	[REDACTED]	1
06966	Silver	SW-846 6010B	2	08/17/2005 12:54	[REDACTED]	1
06972	Zinc	SW-846 6010B	2	08/17/2005 12:54	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:48	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101210

Lancaster Laboratories Sample No. SW 4583579

05-MET-081 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:19

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-081

05912	Phenols	SW846 9066	2	08/18/2005 13:58	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 19:20	[REDACTED]	50
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 12:50	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 22:19	[REDACTED]	1.06
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 22:19	[REDACTED]	1.06
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:15	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:16	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/13/2005 11:17	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4583579  
 Sample wt/vol: 4.72 (g/mL) g      Lab File ID: HP09193.i/05aug17a.b/xg17s13.d  
 Level: (low/med) LOW      Date Received: 08/12/05  
 % Moisture: not dec. 16      Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown alkane	12.46	0.13	J
2.	Unknown alcohol	12.69	0.077	J
3.	Unknown alicyclic	12.93	0.087	J
4.	Unknown alkane	13.32	0.18	J
5.	Unknown	13.74	0.12	J
6.	Unknown alkane	14.05	0.16	J
7.	Unknown alkane	14.15	0.16	J
8.	Unknown	14.22	0.084	J
9.	Unknown alkane	14.40	0.086	J
10.	Unknown	14.47	0.12	J
11.	Unknown alkane	14.53	0.10	J
12.	Unknown alkane	14.70	0.12	J
13.	Unknown	14.77	0.11	J
14.	Unknown alkane	14.83	0.075	J
15.	Unknown	15.07	0.08	J
16.				
17.				
18.				
19.				
20.				
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22.				
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24.				
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29.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101212

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583579  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0511.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 16 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 22 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.174	330	JAB
2.85-44-9	Phthalic anhydride	5.187	8.7	J
3.	Unknown	6.017	6.3	J
4.	Unknown Alkane	6.822	6.8	J
5.	Unknown Cycloalkane	7.794	5.3	J
6.	Unknown Alkane	7.868	5.0	J
7.	Unknown	8.999	2.8	J
8.	Unknown	9.171	3.2	J
9.	Unknown	9.226	5.3	J
10.	Unknown	9.485	3.8	J
11.	Unknown	9.546	2.8	J
12.	Unknown Alkane	9.601	2.4	J
13.	Benz[a]anthracene, 8-methyl-	9.669	3.2	JX
14.	Unknown	9.737	2.5	J
15.	Unknown	9.810	2.5	J
16.	Unknown	10.235	5.7	J
17.	Benzo[j]fluoranthene	10.376	6.6	JX
18.	Unknown	10.868	14	J
19.	Unknown	10.911	6.3	J
20.	Unknown	11.071	14	J
21.	Unknown	12.608	11	J
22.	Unknown	12.799	13	J
23.				
24.				
25.				
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28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101213



**Lancaster Laboratories Sample No. SW 4583580**
**05-MET-013 Grab Soil Sample**
**N( 3'-3.5')**
**Former Metro Container Investigation**

Collected: 08/12/2005 12:40

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:20

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-013

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.922	0.0033	0.124	mg/kg	1
06925	Thallium	7440-28-0	6.70 J	5.79	12.1	mg/kg	5
06935	Arsenic	7440-38-2	15.9	0.808	2.41	mg/kg	1
06936	Selenium	7782-49-2	27.8	1.16	2.41	mg/kg	1
06944	Antimony	7440-36-0	30.2	0.989	2.41	mg/kg	1
06947	Beryllium	7440-41-7	0.484 J	0.0519	0.603	mg/kg	1
06949	Cadmium	7440-43-9	4.85	0.104	0.603	mg/kg	1
06951	Chromium	7440-47-3	1,520.	0.639	1.81	mg/kg	1
06953	Copper	7440-50-8	222.	0.362	1.21	mg/kg	1
06955	Lead	7439-92-1	4,790.	4.71	12.1	mg/kg	5
The quantitation limit for thallium and lead were increased due to high amounts of iron in the sample.							
06961	Nickel	7440-02-0	151.	0.398	1.21	mg/kg	1
06966	Silver	7440-22-4	0.567 J	0.229	0.603	mg/kg	1
06972	Zinc	7440-66-6	1,430.	0.555	2.41	mg/kg	1
00111	Moisture	n.a.	20.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.79	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	5.4	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0533	0.260	mg/kg	250
01219	Heptachlor	76-44-8	N.D.	0.0533	0.260	mg/kg	250
01220	Aldrin	309-00-2	N.D.	0.0533	0.260	mg/kg	250
01221	p,p-DDT	50-29-3	N.D.	0.104	0.533	mg/kg	250
01222	Dieldrin	60-57-1	N.D.	0.104	0.533	mg/kg	250
01223	Endrin	72-20-8	N.D.	0.104	0.533	mg/kg	250
01859	Methoxychlor	72-43-5	N.D.	0.533	2.60	mg/kg	250
01981	Alpha BHC	319-84-6	N.D.	0.0533	0.260	mg/kg	250
01982	Beta BHC	319-85-7	N.D.	0.0533	0.260	mg/kg	250
01983	Delta BHC	319-86-8	N.D.	0.0659	0.260	mg/kg	250
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0533	0.260	mg/kg	250
01985	p,p-DDE	72-55-9	N.D.	0.816	0.816	mg/kg	250
01986	p,p-DDD	72-54-8	N.D.	0.104	0.533	mg/kg	250
01987	Chlordane	57-74-9	N.D.	1.25	5.33	mg/kg	250
01988	Toxaphene	8001-35-2	N.D.	3.45	10.4	mg/kg	250
01989	Endosulfan I	959-98-8	N.D.	0.0533	0.260	mg/kg	250
01990	Endosulfan II	33213-65-9	N.D.	0.104	0.533	mg/kg	250

\*=This limit was used in the evaluation of the final result

AR101214

**Lancaster Laboratories Sample No. SW 4583580**
**05-MET-013 Grab Soil Sample**
**N( 3'-3.5')**
**Former Metro Container Investigation**

Collected: 08/12/2005 12:40

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:20

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-013

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.104	0.533	mg/kg	250
01992	Endrin Aldehyde	7421-93-4	N.D.	0.533	0.533	mg/kg	250
01993	PCB-1016	12674-11-2	N.D.	2.32	5.33	mg/kg	250
01994	PCB-1221	11104-28-2	N.D.	1.04	5.33	mg/kg	250
01995	PCB-1232	11141-16-5	N.D.	1.51	5.33	mg/kg	250
01996	PCB-1242	53469-21-9	N.D.	0.941	5.33	mg/kg	250
01997	PCB-1248	12672-29-6	10.3 J	3.45	10.4	mg/kg	250
01998	PCB-1254	11097-69-1	19.3	1.04	5.33	mg/kg	250
01999	PCB-1260	11096-82-5	9.41 J	3.45	10.4	mg/kg	250

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.3	6.3	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.42	2.1	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.42	2.1	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.42	2.1	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.42	2.1	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	1.9 J	0.42	2.1	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.84	2.1	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.42	2.1	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	2.1	6.3	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.84	2.1	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	2.1	6.3	mg/kg	5
01195	Pyrene	129-00-0	1.9 J	0.42	2.1	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	2.8	0.42	2.1	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.42	2.1	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.3	2.1	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.42	2.1	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.42	2.1	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.4	25.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.1	6.3	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.84	2.1	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.42	2.1	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.42	2.1	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.42	2.1	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR101215

Lancaster Laboratories Sample No. SW 4583580

05-MET-013 Grab Soil Sample

N( 3'-3.5')

Former Metro Container Investigation

Collected: 08/12/2005 12:40

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:20

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-013

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.42	2.1	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.42	2.1	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.42	2.1	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.42	2.1	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.42	2.1	mg/kg	5
03761	Naphthalene	91-20-3	1.9 J	0.42	2.1	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.84	2.1	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.1	6.3	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.42	2.1	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.42	2.1	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.84	2.1	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.42	2.1	mg/kg	5
03768	Fluorene	86-73-7	0.89 J	0.42	2.1	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.42	2.1	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.84	2.1	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.42	2.1	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.42	2.1	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.42	2.1	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.42	2.1	mg/kg	5
03775	Phenanthrene	85-01-8	4.7	0.42	2.1	mg/kg	5
03776	Anthracene	120-12-7	0.44 J	0.42	2.1	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	1.6 J	0.84	2.1	mg/kg	5
03778	Fluoranthene	206-44-0	1.1 J	0.42	2.1	mg/kg	5
03779	Benzidine	92-87-5	N.D.	8.4	25.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	2.9	0.84	2.1	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	N.D.	0.42	2.1	mg/kg	5
03782	Chrysene	218-01-9	1.0 J	0.42	2.1	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.3	4.2	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	35.	0.84	4.2	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	4.0	0.84	2.1	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	0.64 J	0.42	2.1	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.42	2.1	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	N.D.	0.42	2.1	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.42	2.1	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.42	2.1	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.42	2.1	mg/kg	5
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							

\*=This limit was used in the evaluation of the final result

AR101216

**Lancaster Laboratories Sample No. SW 4583580**
**05-MET-013 Grab Soil Sample**
**N( 3'-3.5')**
**Former Metro Container Investigation**

Collected: 08/12/2005 12:40

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:20

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-013

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.068	0.34	mg/kg	54.11
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.034	0.34	mg/kg	54.11
02020	t-Butyl alcohol	75-65-0	N.D.	1.4	6.8	mg/kg	54.11
05444	Chloromethane	74-87-3	N.D.	0.14	0.34	mg/kg	54.11
05445	Vinyl Chloride	75-01-4	N.D.	0.068	0.34	mg/kg	54.11
05446	Bromomethane	74-83-9	N.D.	0.14	0.34	mg/kg	54.11
05447	Chloroethane	75-00-3	N.D.	0.14	0.34	mg/kg	54.11
05448	Trichlorofluoromethane	75-69-4	N.D.	0.14	0.34	mg/kg	54.11
05449	1,1-Dichloroethene	75-35-4	N.D.	0.068	0.34	mg/kg	54.11
05450	Methylene Chloride	75-09-2	N.D.	0.14	0.34	mg/kg	54.11
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.068	0.34	mg/kg	54.11
05452	1,1-Dichloroethane	75-34-3	N.D.	0.068	0.34	mg/kg	54.11
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.068	0.34	mg/kg	54.11
05455	Chloroform	67-66-3	N.D.	0.068	0.34	mg/kg	54.11
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.068	0.34	mg/kg	54.11
05458	Carbon Tetrachloride	56-23-5	N.D.	0.068	0.34	mg/kg	54.11
05460	Benzene	71-43-2	0.15 J	0.034	0.34	mg/kg	54.11
05461	1,2-Dichloroethane	107-06-2	N.D.	0.068	0.34	mg/kg	54.11
05462	Trichloroethene	79-01-6	N.D.	0.068	0.34	mg/kg	54.11
05463	1,2-Dichloropropane	78-87-5	N.D.	0.068	0.34	mg/kg	54.11
05465	Bromodichloromethane	75-27-4	N.D.	0.068	0.34	mg/kg	54.11
05466	Toluene	108-88-3	34.	0.34	1.7	mg/kg	270.56
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.068	0.34	mg/kg	54.11
05468	Tetrachloroethene	127-18-4	N.D.	0.068	0.34	mg/kg	54.11
05470	Dibromochloromethane	124-48-1	N.D.	0.068	0.34	mg/kg	54.11
05472	Chlorobenzene	108-90-7	N.D.	0.068	0.34	mg/kg	54.11
05474	Ethylbenzene	100-41-4	4.5	0.068	0.34	mg/kg	54.11
05478	Bromoform	75-25-2	N.D.	0.068	0.34	mg/kg	54.11
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.068	0.34	mg/kg	54.11
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.068	0.34	mg/kg	54.11
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.068	0.34	mg/kg	54.11

\*=This limit was used in the evaluation of the final result

AR101217

Lancaster Laboratories Sample No. SW 4583580

05-MET-013 Grab Soil Sample

N( 3'-3.5')

Former Metro Container Investigation

Collected: 08/12/2005 12:40

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:20

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-013

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06301	Xylene (Total)	1330-20-7	22.	0.068	0.34	mg/kg	54.11
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.14	0.68	mg/kg	54.11
07586	Acrolein	107-02-8	N.D.	1.4	6.8	mg/kg	54.11
07587	Acrylonitrile	107-13-1	N.D.	0.27	1.4	mg/kg	54.11

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 08:15	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/18/2005 06:13	[REDACTED]	5
06935	Arsenic	SW-846 6010B	2	08/17/2005 12:59	[REDACTED]	1
06936	Selenium	SW-846 6010B	2	08/17/2005 12:59	[REDACTED]	1
06944	Antimony	SW-846 6010B	2	08/17/2005 12:59	[REDACTED]	1
06947	Beryllium	SW-846 6010B	2	08/17/2005 12:59	[REDACTED]	1
06949	Cadmium	SW-846 6010B	2	08/17/2005 12:59	[REDACTED]	1
06951	Chromium	SW-846 6010B	2	08/17/2005 12:59	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101218

Lancaster Laboratories Sample No. SW 4583580

05-MET-013 Grab Soil Sample

N( 3'-3.5')

Former Metro Container Investigation

Collected: 08/12/2005 12:40

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:20

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M-013

06953	Copper	SW-846 6010B	2	08/17/2005 12:59	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/18/2005 06:13	[REDACTED]	5
06961	Nickel	SW-846 6010B	2	08/17/2005 12:59	[REDACTED]	1
06966	Silver	SW-846 6010B	2	08/17/2005 12:59	[REDACTED]	1
06972	Zinc	SW-846 6010B	2	08/17/2005 12:59	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:49	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/18/2005 13:59	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 00:29	[REDACTED]	250
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 13:11	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 19:00	[REDACTED]	54.11
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 19:00	[REDACTED]	54.11
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 00:13	[REDACTED]	270.56
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:18	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:18	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/13/2005 11:18	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR101219

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4583580  
 Sample wt/vol: 4.62 (g/mL) g      Lab File ID: HP07566.i/05aug18b.b/rg18s34.d  
 Level: (low/med) MED      Date Received: 08/12/05  
 % Moisture: not dec. 20      Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP      Dilution Factor: 54.1  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	!alpha.-Pinene	12.11	14	J
2. 79-92-5	!Camphene	12.34	1.2	J
3.	!Unknown alkane	12.56	0.99	J
4. 18172-67-3	!Bicyclo[3.1.1]heptane, 6,6-	12.64	1.7	J
5.	!Unknown aromatic	12.85	1.1	J
6. 5989-27-5	!D-Limonene	13.05	2.9	J
7.	!Unknown aromatic	13.08	3.9	J
8.	!Unknown aromatic	13.41	1.1	J
9. 126-21-6	!L-Fenchone	13.90	2.3	J
10. 76-22-2	!Camphor	14.44	1.5	J
11.	!Unknown aromatic	14.50	1.1	J
12. 91-20-3	!Naphthalene	14.67	1.0	J
13.	!Unknown	15.16	1.7	J
14.	!Unknown aromatic	15.45	2.1	J
15. 91-57-6	!Naphthalene, 2-methyl-	15.60	1.3	J
16.				
17.				
18.				
19.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101220

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583580  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0512.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 20 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	6.459	35	J
2.	!Unknown Alkane	6.822	58	J
3.	!Unknown	6.908	35	J
4.33675-75-1	!Phenol, 3-(2-phenylethyl)-	7.332	60	J
5.	!Unknown Alkane	7.867	22	J
6.91-76-9	!1,3,5-Triazine-2,4-diamine,	7.978	35	J
7.	!Phenol, 3-(2-phenylethenyl)-	8.058	31	JX
8.	!Unknown Alkane	8.888	4.5	J
9.	!Unknown	9.116	5.4	J
10.	!Unknown Alkane	9.165	8.0	J
11.	!Unknown	9.232	8.7	J
12.	!Unknown	9.251	4.9	J
13.	!Unknown	9.491	4.6	J
14.	!Unknown Alkane	9.601	6.8	J
15.	!Unknown Alkane	9.687	6.2	J
16.	!Unknown	10.026	11	J
17.	!Unknown Alkane	10.124	12	J
18.	!Unknown Alkane	10.794	14	J
19.	!Unknown	10.868	17	J
20.	!Unknown	10.997	12	J
21.	!Unknown	11.077	19	J
22.	!Unknown Alkane	11.182	14	J
23.	!Unknown	11.335	11	J
24.	!Unknown Alkane	11.452	12	J
25.	!Unknown Alkane	11.612	9.4	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101221



Lancaster Laboratories Sample No. SW 4583581

05-MET-098S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/12/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:21

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M098S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.175	0.0035	0.130	mg/kg	1
06925	Thallium	7440-28-0	2.67 J	1.29	2.69	mg/kg	1
06935	Arsenic	7440-38-2	16.7	0.900	2.69	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.29	2.69	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.10	2.69	mg/kg	1
06947	Beryllium	7440-41-7	0.579 J	0.0577	0.671	mg/kg	1
06949	Cadmium	7440-43-9	0.369 J	0.115	0.671	mg/kg	1
06951	Chromium	7440-47-3	33.5	0.712	2.01	mg/kg	1
06953	Copper	7440-50-8	67.0	0.403	1.34	mg/kg	1
06955	Lead	7439-92-1	96.3	1.05	2.69	mg/kg	1
06961	Nickel	7440-02-0	24.7	0.443	1.34	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.255	0.671	mg/kg	1
06972	Zinc	7440-66-6	115.	0.618	2.69	mg/kg	1
00111	Moisture	n.a.	28.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.68	mg/kg	1
05912	Phenols	n.a.	N.D.	1.7	4.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00475	0.0232	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00475	0.0232	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00475	0.0232	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00922	0.0475	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00922	0.0475	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0489	0.0489	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0475	0.232	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00475	0.0232	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00475	0.0232	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00587	0.0232	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00475	0.0232	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.182	0.182	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00922	0.0475	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.112	0.475	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.307	0.922	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00475	0.0232	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00922	0.0475	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00922	0.0475	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0615	0.0615	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101222

**Lancaster Laboratories Sample No. SW 4583581**
**05-MET-098S Grab Soil Sample**
**N(1.5'-2')**
**Former Metro Container Investigation**

Collected: 08/12/2005 07:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:21

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M098S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.207	0.475	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0922	0.475	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.134	0.475	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0838	0.475	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.307	0.922	mg/kg	20
01998	PCB-1254	11097-69-1	5.15	0.0922	0.475	mg/kg	20
01999	PCB-1260	11096-82-5	5.06	0.307	0.922	mg/kg	20

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, endrin, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.70	3.5	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.23	1.2	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.23	1.2	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.23	1.2	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.23	1.2	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.23	1.2	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.47	1.2	mg/kg	5
01191	Acenaphthene	83-32-9	0.68	J 0.23	1.2	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.2	3.5	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.47	1.2	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.2	3.5	mg/kg	5
01195	Pyrene	129-00-0	4.2	0.23	1.2	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.23	1.2	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.23	1.2	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.70	1.2	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.23	1.2	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.23	1.2	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.7	14.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.2	3.5	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.47	1.2	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.23	1.2	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.23	1.2	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.23	1.2	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.23	1.2	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.23	1.2	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.23	1.2	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR101223

Lancaster Laboratories Sample No. SW 4583581

05-MET-098S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/12/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:21

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M098S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03759	Isophorone	78-59-1	N.D.	0.23	1.2	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.23	1.2	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.23	1.2	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.47	1.2	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.2	3.5	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.23	1.2	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.23	1.2	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.47	1.2	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.23	1.2	mg/kg	5
03768	Fluorene	86-73-7	0.47 J	0.23	1.2	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.23	1.2	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.47	1.2	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.23	1.2	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.23	1.2	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.23	1.2	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.23	1.2	mg/kg	5
03775	Phenanthrene	85-01-8	1.1 J	0.23	1.2	mg/kg	5
03776	Anthracene	120-12-7	0.70 J	0.23	1.2	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.47	1.2	mg/kg	5
03778	Fluoranthene	206-44-0	3.8	0.23	1.2	mg/kg	5
03779	Benzidine	92-87-5	N.D.	4.7	14.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.47	1.2	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	2.1	0.23	1.2	mg/kg	5
03782	Chrysene	218-01-9	2.3	0.23	1.2	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.70	2.3	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	15.	0.47	2.3	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.47	1.2	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	2.9	0.23	1.2	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	1.1 J	0.23	1.2	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	2.4	0.23	1.2	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.6	0.23	1.2	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	1.1 J	0.23	1.2	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	2.6	0.23	1.2	mg/kg	5

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

AR101224

Lancaster Laboratories Sample No. SW 4583581

05-MET-098S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/12/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:21

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M098S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.01	mg/kg	1.37
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.01	mg/kg	1.37
02020	t-Butyl alcohol	75-65-0	0.042 J	0.038	0.19	mg/kg	1.37
05444	Chloromethane	74-87-3	N.D.	0.004	0.01	mg/kg	1.37
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.01	mg/kg	1.37
05446	Bromomethane	74-83-9	N.D.	0.004	0.01	mg/kg	1.37
05447	Chloroethane	75-00-3	N.D.	0.004	0.01	mg/kg	1.37
05448	Trichlorofluoromethane	75-69-4	N.D.	0.004	0.01	mg/kg	1.37
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.01	mg/kg	1.37
05450	Methylene Chloride	75-09-2	N.D.	0.004	0.01	mg/kg	1.37
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.01	mg/kg	1.37
05452	1,1-Dichloroethane	75-34-3	0.004 J	0.002	0.01	mg/kg	1.37
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.01	mg/kg	1.37
05455	Chloroform	67-66-3	N.D.	0.002	0.01	mg/kg	1.37
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.01	mg/kg	1.37
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.01	mg/kg	1.37
05460	Benzene	71-43-2	N.D.	0.001	0.01	mg/kg	1.37
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.01	mg/kg	1.37
05462	Trichloroethene	79-01-6	N.D.	0.002	0.01	mg/kg	1.37
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.01	mg/kg	1.37
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.01	mg/kg	1.37
05466	Toluene	108-88-3	N.D.	0.002	0.01	mg/kg	1.37
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.01	mg/kg	1.37
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.01	mg/kg	1.37
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.01	mg/kg	1.37
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.01	mg/kg	1.37
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.01	mg/kg	1.37
05478	Bromoform	75-25-2	N.D.	0.002	0.01	mg/kg	1.37
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.01	mg/kg	1.37
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.01	mg/kg	1.37
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.01	mg/kg	1.37
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.01	mg/kg	1.37
07586	Acrolein	107-02-8	N.D.	0.038	0.19	mg/kg	1.37
07587	Acrylonitrile	107-13-1	N.D.	0.008	0.038	mg/kg	1.37

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

\*=This limit was used in the evaluation of the final result

AR101225

**Lancaster Laboratories Sample No. SW 4583581**
**05-MET-098S Grab Soil Sample**
**N(1.5'-2')**
**Former Metro Container Investigation**

Collected: 08/12/2005 07:30

by

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:21

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M098S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 08:17		1
06925	Thallium	SW-846 6010B	1	08/18/2005 06:17		1
06935	Arsenic	SW-846 6010B	2	08/17/2005 13:04		1
06936	Selenium	SW-846 6010B	2	08/17/2005 13:04		1
06944	Antimony	SW-846 6010B	2	08/17/2005 13:04		1
06947	Beryllium	SW-846 6010B	2	08/17/2005 13:04		1
06949	Cadmium	SW-846 6010B	2	08/17/2005 13:04		1
06951	Chromium	SW-846 6010B	2	08/17/2005 13:04		1
06953	Copper	SW-846 6010B	2	08/17/2005 13:04		1
06955	Lead	SW-846 6010B	2	08/17/2005 13:04		1
06961	Nickel	SW-846 6010B	2	08/17/2005 13:04		1
06966	Silver	SW-846 6010B	2	08/17/2005 13:04		1
06972	Zinc	SW-846 6010B	2	08/17/2005 13:04		1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34		1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:50		1
05912	Phenols	SW846 9066	2	08/18/2005 14:01		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 20:01		20

\*=This limit was used in the evaluation of the final result

AR101226

**Lancaster Laboratories Sample No. SW 4583581**

**05-MET-098S Grab Soil Sample**

**N(1.5'-2')**

**Former Metro Container Investigation**

Collected: 08/12/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:21

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## M098S

04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 13:32	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 21:10	[REDACTED]	1.37
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 21:10	[REDACTED]	1.37
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:21	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:19	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/13/2005 11:19	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4583581  
 Sample wt/vol: 3.65 (g/mL) g Lab File ID: HP09193.i/05aug17a.b/xg17s10.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: not dec. 28 Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.90	3.9	J
2. 75-15-0	Carbon disulfide	3.86	0.68	J
3.	Unknown siloxane	12.26	0.045	J B
4.	Unknown alkane	12.80	0.042	J
5.	Unknown	12.91	0.036	J
6.	Unknown	12.96	0.037	J
7.	Unknown	13.13	0.045	J
8.	Unknown	13.30	0.11	J
9.	Unknown alkane	13.38	0.060	J
10.	Unknown	13.47	0.061	J
11.	Unknown	13.52	0.068	J
12.	Unknown	13.63	0.041	J
13.	Unknown	13.75	0.087	J
14.	Unknown	13.80	0.042	J
15.	Unknown	13.89	0.047	J
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101228

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583581  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0513.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 28 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 18 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.174	27	JAB
2.85-44-9	Phthalic anhydride	5.187	7.0	J
3.	Unknown	7.689	2.2	J
4.10544-50-0	Cyclic octaatomic sulfur	8.206	1.9	J
5.	Pyrene, 2-methyl-	8.636	1.2	JX
6.	Pyrene, 2-methyl-	8.716	1.3	JX
7.	Unknown	9.952	1.6	J
8.	Unknown	10.339	2.1	J
9.	Unknown	10.548	3.7	J
10.	Unknown	10.653	1.5	J
11.	Unknown	10.868	3.8	J
12.	Unknown	11.071	6.0	J
13.	Dibenz[a,h]anthracene	11.132	2.9	JX
14.	Unknown	11.335	2.3	J
15.	Unknown	12.356	1.6	J
16.	3,4:8,9-Dibenzopyrene	12.424	3.0	JX
17.	3,4:8,9-Dibenzopyrene	12.805	2.1	JX
18.	Unknown	13.051	2.0	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101229



Lancaster Laboratories Sample No. SW 4583582

05-MET-098V Grab Soil Sample

N(17'-17.5')

Former Metro Container Investigation

Collected: 08/12/2005 08:10

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:21

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M098V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0196 J	0.0032	0.119	mg/kg	1
06925	Thallium	7440-28-0	1.21 J	1.18	2.46	mg/kg	1
06935	Arsenic	7440-38-2	2.59	0.824	2.46	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.18	2.46	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.01	2.46	mg/kg	1
06947	Beryllium	7440-41-7	0.400 J	0.0529	0.615	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.106	0.615	mg/kg	1
06951	Chromium	7440-47-3	27.6	0.652	1.84	mg/kg	1
06953	Copper	7440-50-8	21.4	0.369	1.23	mg/kg	1
06955	Lead	7439-92-1	11.3	0.959	2.46	mg/kg	1
06961	Nickel	7440-02-0	16.9	0.406	1.23	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.234	0.615	mg/kg	1
06972	Zinc	7440-66-6	32.2	0.566	2.46	mg/kg	1
00111	Moisture	n.a.	21.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00217	0.0106	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00217	0.0106	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00217	0.0106	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00422	0.0217	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.0166	0.0217	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.0153	0.0217	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0217	0.106	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00217	0.0106	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00217	0.0106	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00269	0.0106	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00217	0.0106	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.0473	0.0473	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00422	0.0217	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0512	0.217	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.141	0.422	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00217	0.0106	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00422	0.0217	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00422	0.0217	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0332	0.0332	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101230

Lancaster Laboratories Sample No. SW 4583582

05-MET-098V Grab Soil Sample

N(17'-17.5')

Former Metro Container Investigation

Collected: 08/12/2005 08:10

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:21

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M098V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0946	0.217	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0422	0.217	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0614	0.217	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0384	0.217	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.141	0.422	mg/kg	10
01998	PCB-1254	11097-69-1	0.923	0.0422	0.217	mg/kg	10
01999	PCB-1260	11096-82-5	2.51	0.141	0.422	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, endrin, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.64	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.043	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.043	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.043	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.043	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.043	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.085	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	0.049 J	0.043	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.64	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.085	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.64	mg/kg	1
01195	Pyrene	129-00-0	2.4	0.043	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.043	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.043	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.043	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.043	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.85	2.6	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.64	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.085	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.043	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.043	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.043	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.043	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101231

Lancaster Laboratories Sample No. SW 4583582

05-MET-098V Grab Soil Sample

N(17'-17.5')

Former Metro Container Investigation

Collected: 08/12/2005 08:10

by █

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:21

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M098V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.043	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.043	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.043	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.043	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.043	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.085	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.64	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.043	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.043	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.085	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.043	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.072 J	0.043	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.043	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.085	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.043	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.043	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.043	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.043	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.55	0.043	0.21	mg/kg	1
03776	Anthracene	120-12-7	0.26	0.043	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.085	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.91	0.043	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.85	2.6	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.085	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	2.2	0.043	0.21	mg/kg	1
03782	Chrysene	218-01-9	2.5	0.043	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.43	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	15.	0.43	2.1	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.085	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	1.5	0.043	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.55	0.043	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	3.4	0.043	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.4	0.043	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	1.8	0.043	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	3.5	0.043	0.21	mg/kg	1
06373	Add'l Volatile Compounds						

\*=This limit was used in the evaluation of the final result

AR101232

Lancaster Laboratories Sample No. SW 4583582

05-MET-098V Grab Soil Sample

N(17'-17.5')

Former Metro Container Investigation

Collected: 08/12/2005 08:10

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:21

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M098V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.03
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.03
02020	t-Butyl alcohol	75-65-0	N.D.	0.026	0.13	mg/kg	1.03
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.03
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.03
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.03
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.03
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.03
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.03
05450	Methylene Chloride	75-09-2	0.013	0.003	0.007	mg/kg	1.03
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.03
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1.03
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1.03
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.03
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.03
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.03
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	1.03
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.03
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.03
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.03
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.03
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	1.03
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.03
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.03
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.03
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.03
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	1.03
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.03
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.03
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.03
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.03
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	1.03
07586	Acrolein	107-02-8	N.D.	0.026	0.13	mg/kg	1.03
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.026	mg/kg	1.03

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

Matrix QC was performed on this sample for the GC/MS volatile analysis.

\*=This limit was used in the evaluation of the final result

AR101233

Lancaster Laboratories Sample No. SW 4583582

05-MET-098V Grab Soil Sample

N(17'-17.5')

Former Metro Container Investigation

Collected: 08/12/2005 08:10

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:21

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M098V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Please see the attached QC summary report for compounds showing a matrix bias.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 08:18	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/18/2005 06:22	[REDACTED]	1
06935	Arsenic	SW-846 6010B	2	08/17/2005 13:20	[REDACTED]	1
06936	Selenium	SW-846 6010B	2	08/17/2005 13:20	[REDACTED]	1
06944	Antimony	SW-846 6010B	2	08/17/2005 13:20	[REDACTED]	1
06947	Beryllium	SW-846 6010B	2	08/17/2005 13:20	[REDACTED]	1
06949	Cadmium	SW-846 6010B	2	08/17/2005 13:20	[REDACTED]	1
06951	Chromium	SW-846 6010B	2	08/17/2005 13:20	[REDACTED]	1
06953	Copper	SW-846 6010B	2	08/17/2005 13:20	[REDACTED]	1
06955	Lead	SW-846 6010B	2	08/17/2005 13:20	[REDACTED]	1
06961	Nickel	SW-846 6010B	2	08/17/2005 13:20	[REDACTED]	1
06966	Silver	SW-846 6010B	2	08/17/2005 13:20	[REDACTED]	1
06972	Zinc	SW-846 6010B	2	08/17/2005 13:20	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:51	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/18/2005 14:02	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 20:22	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 13:53	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101234

Lancaster Laboratories Sample No. SW 4583582

05-MET-098V Grab Soil Sample

N(17'-17.5')

Former Metro Container Investigation

Collected: 08/12/2005 08:10

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:30

Reported: 08/29/2005 at 11:21

Discard: 09/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## M098V

04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 17:46	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 13:49	[REDACTED]	1.03
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 13:49	[REDACTED]	1.03
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:27	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:20	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/13/2005 11:21	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4583582  
 Sample wt/vol: 4.84 (g/mL) g      Lab File ID: HP09193.i/05aug17a.b/xg17s01.d  
 Level: (low/med) LOW      Date Received: 08/12/05  
 % Moisture: not dec. 22      Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 11

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aliphatic	1.90	0.18	J
2.	!Unknown aliphatic	2.19	0.045	J
3.	!Unknown alkane	2.27	0.025	J
4.	!Unknown aliphatic	2.97	0.017	J
5. 109-66-0	!Pentane	3.05	0.021	J
6. 75-15-0	!Carbon disulfide	3.87	1.4	J B
7.	!Unknown siloxane	10.23	0.022	J B
8.	!Unknown siloxane	12.26	0.029	J B
9.	!Unknown alkane	14.15	0.012	J
10.	!Unknown alkane	14.53	0.008	J
11.	!Unknown aliphatic	14.76	0.008	J
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101236

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583582  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0514.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 22 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.192	24	JAB
2.	Unknown	8.298	2.9	J
3.	Unknown	8.408	2.2	J
4.	Unknown	8.433	3.1	J
5.	Unknown	8.624	2.5	J
6.	Unknown	8.691	2.8	J
7.	Pyrene, 4-methyl-	8.716	4.8	JX
8.	Pyrene, 4-methyl-	8.790	5.1	JX
9.	Pyrene, 2-methyl-	8.814	2.8	JX
10.	Unknown	8.968	4.1	J
11.	Pyrene, 1,9-dimethyl-	8.999	3.2	JX
12.	Unknown	9.048	3.1	J
13.	Unknown Alkane	9.066	2.4	J
14.	Benzo[b]naphtho[2,3-d]thioph	9.134	2.6	JX
15.	Unknown	9.220	2.7	J
16.	Unknown	9.484	4.2	J
17.	Unknown	9.546	2.3	J
18.	Unknown Alkane	9.607	3.7	J
19.	Benz[a]anthracene, 11-methyl	9.675	9.6	JX
20.	Chrysene, 1-methyl-	9.700	5.8	JX
21.	Unknown	9.730	2.6	J
22.	Chrysene, 1-methyl-	9.773	8.6	JX
23.	Unknown Alkane	9.866	5.1	J
24.	Benzo[a]pyrene	10.382	4.1	JX
25.	Unknown	10.960	2.1	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101237



**Lancaster Laboratories Sample No. SW 4583583**
**05-MET-082 Grab Soil Sample**
**N(2.25-2.75)**
**Former Metro Container Investigation**

Collected: 08/12/2005 07:40

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-082

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	2.17	0.0143	0.538	mg/kg	5
06925	Thallium	7440-28-0	12.7 J	10.4	21.6	mg/kg	10
06935	Arsenic	7440-38-2	15.3	0.723	2.16	mg/kg	1
06936	Selenium	7782-49-2	16.1	1.04	2.16	mg/kg	1
06944	Antimony	7440-36-0	5.79	0.885	2.16	mg/kg	1
06947	Beryllium	7440-41-7	16.0	0.0464	0.539	mg/kg	1
06949	Cadmium	7440-43-9	7.07	0.0928	0.539	mg/kg	1
06951	Chromium	7440-47-3	249.	0.572	1.62	mg/kg	1
06953	Copper	7440-50-8	979.	0.324	1.08	mg/kg	1
06955	Lead	7439-92-1	794.	0.841	2.16	mg/kg	1
06961	Nickel	7440-02-0	156.	0.356	1.08	mg/kg	1
06966	Silver	7440-22-4	5.72	0.205	0.539	mg/kg	1
06972	Zinc	7440-66-6	6,020.	4.96	21.6	mg/kg	10
The quantitation limits for thallium and zinc were increased due to high amounts of iron in the sample.							
00111	Moisture	n.a.	10.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	4.2	0.19	0.53	mg/kg	1
This sample was reprepared and reanalyzed to confirm the non-homogeneity of the sample for cyanide. The results obtained for the second trial background and duplicate were <.18 mg/kg and 8.1 mg/kg on an as-received basis.							
05912	Phenols	n.a.	13.1 J	6.7	19.4	mg/kg	5
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0472	0.231	mg/kg	250
01219	Heptachlor	76-44-8	N.D.	0.0472	0.231	mg/kg	250
01220	Aldrin	309-00-2	N.D.	0.0472	0.231	mg/kg	250
01221	p,p-DDT	50-29-3	N.D.	0.0917	0.472	mg/kg	250
01222	Dieldrin	60-57-1	N.D.	0.472	0.472	mg/kg	250
01223	Endrin	72-20-8	N.D.	0.472	0.472	mg/kg	250
01859	Methoxychlor	72-43-5	N.D.	0.472	2.31	mg/kg	250
01981	Alpha BHC	319-84-6	N.D.	0.0472	0.231	mg/kg	250
01982	Beta BHC	319-85-7	N.D.	0.0472	0.231	mg/kg	250
01983	Delta BHC	319-86-8	N.D.	0.0583	0.231	mg/kg	250
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0472	0.231	mg/kg	250
01985	p,p-DDE	72-55-9	N.D.	0.578	0.578	mg/kg	250
01986	p,p-DDD	72-54-8	N.D.	0.0917	0.472	mg/kg	250
01987	Chlordane	57-74-9	N.D.	1.11	4.72	mg/kg	250

\*=This limit was used in the evaluation of the final result

AR101238

Lancaster Laboratories Sample No. SW 4583583

05-MET-082 Grab Soil Sample

N(2.25-2.75)

Former Metro Container Investigation

Collected: 08/12/2005 07:40

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-082

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01988	Toxaphene	8001-35-2	N.D.	3.06	9.17	mg/kg	250
01989	Endosulfan I	959-98-8	N.D.	0.0472	0.231	mg/kg	250
01990	Endosulfan II	33213-65-9	N.D.	0.0917	0.472	mg/kg	250
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0917	0.472	mg/kg	250
01992	Endrin Aldehyde	7421-93-4	N.D.	0.472	0.472	mg/kg	250
01993	PCB-1016	12674-11-2	N.D.	2.06	4.72	mg/kg	250
01994	PCB-1221	11104-28-2	N.D.	0.917	4.72	mg/kg	250
01995	PCB-1232	11141-16-5	N.D.	1.33	4.72	mg/kg	250
01996	PCB-1242	53469-21-9	N.D.	0.833	4.72	mg/kg	250
01997	PCB-1248	12672-29-6	9.63	3.06	9.17	mg/kg	250
01998	PCB-1254	11097-69-1	12.2	0.917	4.72	mg/kg	250
01999	PCB-1260	11096-82-5	18.1	3.06	9.17	mg/kg	250

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, endrin and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.1	5.6	mg/kg	5
01185	Phenol	108-95-2	1.9	0.37	1.9	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.37	1.9	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	0.41 J	0.37	1.9	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.37	1.9	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	3.0	0.37	1.9	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.74	1.9	mg/kg	5
01191	Acenaphthene	83-32-9	2.2	0.37	1.9	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.9	5.6	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.74	1.9	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.9	5.6	mg/kg	5
01195	Pyrene	129-00-0	31.	0.37	1.9	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	4.9	0.37	1.9	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.37	1.9	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	2.3	1.1	1.9	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.37	1.9	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.37	1.9	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	7.4	22.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.9	5.6	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR101239

**Lancaster Laboratories Sample No. SW 4583583**
**05-MET-082 Grab Soil Sample**
**N(2.25-2.75)**
**Former Metro Container Investigation**

Collected: 08/12/2005 07:40

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-082

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.74	1.9	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.37	1.9	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.37	1.9	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	4.1	0.37	1.9	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.37	1.9	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.37	1.9	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.37	1.9	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.37	1.9	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.37	1.9	mg/kg	5
03761	Naphthalene	91-20-3	12.	0.37	1.9	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.74	1.9	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.9	5.6	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.37	1.9	mg/kg	5
03765	Acenaphthylene	208-96-8	0.49 J	0.37	1.9	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.74	1.9	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.37	1.9	mg/kg	5
03768	Fluorene	86-73-7	3.2	0.37	1.9	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.37	1.9	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.74	1.9	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.37	1.9	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	2.8	0.37	1.9	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.37	1.9	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.37	1.9	mg/kg	5
03775	Phenanthrene	85-01-8	26.	0.37	1.9	mg/kg	5
03776	Anthracene	120-12-7	6.0	0.37	1.9	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.74	1.9	mg/kg	5
03778	Fluoranthene	206-44-0	27.	0.37	1.9	mg/kg	5
03779	Benzidine	92-87-5	N.D.	7.4	22.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.74	1.9	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	11.	0.37	1.9	mg/kg	5
03782	Chrysene	218-01-9	11.	0.37	1.9	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.1	3.7	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	50.	1.5	7.4	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.74	1.9	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	12.	0.37	1.9	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	4.5	0.37	1.9	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	7.9	0.37	1.9	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	4.2	0.37	1.9	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR101240

**Lancaster Laboratories Sample No. SW 4583583**
**05-MET-082 Grab Soil Sample**
**N(2.25-2.75)**
**Former Metro Container Investigation**

Collected: 08/12/2005 07:40

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-082

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03790	Dibenz(a,h)anthracene	53-70-3	1.5 J		0.37	1.9	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	4.8		0.37	1.9	mg/kg	5
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.								
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.								
06373	Add'l Volatile Compounds							
05677	1,2-Dibromoethane	106-93-4	N.D.		0.22	1.1	mg/kg	197.16
07584	PPL Volatiles							
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.11	1.1	mg/kg	197.16
02020	t-Butyl alcohol	75-65-0	N.D.		4.4	22.	mg/kg	197.16
05444	Chloromethane	74-87-3	N.D.		0.44	1.1	mg/kg	197.16
05445	Vinyl Chloride	75-01-4	0.40 J		0.22	1.1	mg/kg	197.16
05446	Bromomethane	74-83-9	N.D.		0.44	1.1	mg/kg	197.16
05447	Chloroethane	75-00-3	N.D.		0.44	1.1	mg/kg	197.16
05448	Trichlorofluoromethane	75-69-4	N.D.		0.44	1.1	mg/kg	197.16
05449	1,1-Dichloroethene	75-35-4	N.D.		0.22	1.1	mg/kg	197.16
05450	Methylene Chloride	75-09-2	N.D.		0.44	1.1	mg/kg	197.16
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		0.22	1.1	mg/kg	197.16
05452	1,1-Dichloroethane	75-34-3	3.8		0.22	1.1	mg/kg	197.16
05454	cis-1,2-Dichloroethene	156-59-2	2.9		0.22	1.1	mg/kg	197.16
05455	Chloroform	67-66-3	N.D.		0.22	1.1	mg/kg	197.16
05457	1,1,1-Trichloroethane	71-55-6	N.D.		0.22	1.1	mg/kg	197.16
05458	Carbon Tetrachloride	56-23-5	N.D.		0.22	1.1	mg/kg	197.16
05460	Benzene	71-43-2	0.85 J		0.11	1.1	mg/kg	197.16
05461	1,2-Dichloroethane	107-06-2	N.D.		0.22	1.1	mg/kg	197.16
05462	Trichloroethene	79-01-6	0.24 J		0.22	1.1	mg/kg	197.16
05463	1,2-Dichloropropane	78-87-5	N.D.		0.22	1.1	mg/kg	197.16
05465	Bromodichloromethane	75-27-4	N.D.		0.22	1.1	mg/kg	197.16
05466	Toluene	108-88-3	93.		2.2	11.	mg/kg	1971.61
05467	1,1,2-Trichloroethane	79-00-5	N.D.		0.22	1.1	mg/kg	197.16
05468	Tetrachloroethene	127-18-4	N.D.		0.22	1.1	mg/kg	197.16
05470	Dibromochloromethane	124-48-1	N.D.		0.22	1.1	mg/kg	197.16
05472	Chlorobenzene	108-90-7	2.2		0.22	1.1	mg/kg	197.16
05474	Ethylbenzene	100-41-4	54.		0.22	1.1	mg/kg	197.16

\*=This limit was used in the evaluation of the final result

AR101241

**Lancaster Laboratories Sample No. SW 4583583**
**05-MET-082 Grab Soil Sample**
**N(2.25-2.75)**
**Former Metro Container Investigation**

Collected: 08/12/2005 07:40

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-082

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05478	Bromoform	75-25-2	N.D.	0.22	1.1	mg/kg	197.16
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.22	1.1	mg/kg	197.16
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.22	1.1	mg/kg	197.16
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.22	1.1	mg/kg	197.16
06301	Xylene (Total)	1330-20-7	160.	2.2	11.	mg/kg	1971.61
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.44	2.2	mg/kg	197.16
07586	Acrolein	107-02-8	N.D.	4.4	22.	mg/kg	197.16
07587	Acrylonitrile	107-13-1	N.D.	0.88	4.4	mg/kg	197.16

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 09:35		5
06925	Thallium	SW-846 6010B	1	08/18/2005 06:41		10
06935	Arsenic	SW-846 6010B	2	08/17/2005 13:26		1
06936	Selenium	SW-846 6010B	2	08/17/2005 13:26		1
06944	Antimony	SW-846 6010B	2	08/17/2005 13:26		1

\*=This limit was used in the evaluation of the final result

AR101242

**Lancaster Laboratories Sample No. SW 4583583**

**05-MET-082 Grab Soil Sample**

**N(2.25-2.75)**

**Former Metro Container Investigation**

Collected: 08/12/2005 07:40

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-082

06947	Beryllium	SW-846 6010B	2	08/17/2005 13:26		1
06949	Cadmium	SW-846 6010B	2	08/17/2005 13:26		1
06951	Chromium	SW-846 6010B	2	08/17/2005 13:26		1
06953	Copper	SW-846 6010B	2	08/17/2005 13:26		1
06955	Lead	SW-846 6010B	2	08/17/2005 13:26		1
06961	Nickel	SW-846 6010B	2	08/17/2005 13:26		1
06966	Silver	SW-846 6010B	2	08/17/2005 13:26		1
06972	Zinc	SW-846 6010B	1	08/18/2005 06:41		10
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34		1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:52		1
05912	Phenols	SW846 9066	2	08/18/2005 14:26		5
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 00:49		250
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 14:15		5
04688	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 20:33		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 19:22		197.16
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 19:22		197.16
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 00:35		1971.6
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/18/2005 10:45		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:32		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:22		n.a.

\*=This limit was used in the evaluation of the final result

AR101243

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4583583  
 Sample wt/vol: 6.34 (g/mL) g Lab File ID: HP07566.i/05aug18b.b/rg18s35.d  
 Level: (low/med) MED Date Received: 08/12/05  
 % Moisture: not dec. 10 Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP Dilution Factor: 197.2  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.50	35	J
2.	!Unknown aromatic	12.56	29	J
3.	!Unknown aromatic	12.73	13	J
4.	!Unknown aromatic	12.85	37	J
5.	!Unknown aromatic	13.17	19	J
6.	!Unknown aromatic	13.31	14	J
7.	!Unknown aromatic	13.35	17	J
8.	!Unknown aromatic	13.41	25	J
9.	!Unknown aromatic	13.57	9.2	J
10.	!Unknown aromatic	13.62	16	J
11.	!Unknown aromatic	13.89	11	J
12.	!Unknown aromatic	13.93	15	J
13.	!Unknown aromatic	14.13	10	J
14.	!Unknown aromatic	14.22	12	J
15. 91-20-3	Naphthalene	14.67	16	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101244

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583583  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0515.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 10 Decanted: (Y/N) Date Extracted: 08/15/05  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!S-.alpha.-Pinene	2.893	41	JX
2.	!Unknown Alkane	4.024	15	J
3.	!Unknown Alkane	4.596	16	J
4.	!Unknown Alkane	6.816	23	J
5.	!Unknown Carboxylic Acid	7.738	14	J
6.	!Unknown Alkane	7.867	17	J
7.112-79-8	!9-Octadecenoic acid, (E)-	8.310	9.6	J
8.	!Unknown Alkane	8.605	7.6	J
9.	!Unknown	8.857	6.3	J
10.	!Unknown Alkane	8.894	9.6	J
11.	!Unknown	9.171	8.6	J
12.	!1-Phenanthrenecarboxylic aci	9.232	5.4	JX
13.	!Unknown Alkane	9.614	8.0	J
14.	!Unknown Alkane	9.693	11	J
15.	!Unknown Alkane	9.798	5.1	J
16.	!Unknown Alkane	9.872	5.8	J
17.	!Unknown Alkane	9.952	18	J
18.	!Unknown Cycloalkane	10.038	8.5	J
19.	!Unknown Alkane	10.130	9.7	J
20.	!Unknown Alkane	10.210	14	J
21.	!Unknown Alkane	10.708	9.1	J
22.	!Unknown Alkane	10.800	14	J
23.	!Unknown	10.880	16	J
24.	!Unknown	11.003	11	J
25.	!Unknown	11.083	8.6	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101245



Lancaster Laboratories Sample No. SW 4583584

05-MET-083 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/12/2005 08:10

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-083

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	7.26	0.0608	2.28	mg/kg	20
06925	Thallium	7440-28-0	3.24	1.13	2.35	mg/kg	1
06935	Arsenic	7440-38-2	5.92	0.786	2.35	mg/kg	1
06936	Selenium	7782-49-2	2.16	1.13	2.35	mg/kg	1
06944	Antimony	7440-36-0	37.4	0.962	2.35	mg/kg	1
06947	Beryllium	7440-41-7	2.34	0.0504	0.586	mg/kg	1
06949	Cadmium	7440-43-9	93.7	0.101	0.586	mg/kg	1
06951	Chromium	7440-47-3	714.	0.621	1.76	mg/kg	1
06953	Copper	7440-50-8	411.	0.352	1.17	mg/kg	1
06955	Lead	7439-92-1	3,300.	0.915	2.35	mg/kg	1
06961	Nickel	7440-02-0	62.7	0.387	1.17	mg/kg	1
06966	Silver	7440-22-4	9.54	0.223	0.586	mg/kg	1
06972	Zinc	7440-66-6	2,370.	0.539	2.35	mg/kg	1
00111	Moisture	n.a.	18.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.72	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	22.8	7.3	21.3	mg/kg	5
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.311	1.52	mg/kg	250
01219	Heptachlor	76-44-8	N.D.	0.311	1.52	mg/kg	250
01220	Aldrin	309-00-2	N.D.	0.311	1.52	mg/kg	250
01221	p,p-DDT	50-29-3	N.D.	0.604	3.11	mg/kg	250
01222	Dieldrin	60-57-1	N.D.	3.11	3.11	mg/kg	250
01223	Endrin	72-20-8	N.D.	3.11	3.11	mg/kg	250
01859	Methoxychlor	72-43-5	N.D.	3.11	15.2	mg/kg	250
01981	Alpha BHC	319-84-6	N.D.	0.311	1.52	mg/kg	250
01982	Beta BHC	319-85-7	N.D.	0.311	1.52	mg/kg	250
01983	Delta BHC	319-86-8	N.D.	0.384	1.52	mg/kg	250
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.311	1.52	mg/kg	250
01985	p,p-DDE	72-55-9	N.D.	4.63	4.63	mg/kg	250
01986	p,p-DDD	72-54-8	N.D.	0.604	3.11	mg/kg	250
01987	Chlordane	57-74-9	N.D.	7.32	31.1	mg/kg	250
01988	Toxaphene	8001-35-2	N.D.	20.1	60.4	mg/kg	250
01989	Endosulfan I	959-98-8	N.D.	0.311	1.52	mg/kg	250
01990	Endosulfan II	33213-65-9	N.D.	0.604	3.11	mg/kg	250
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.604	3.11	mg/kg	250
01992	Endrin Aldehyde	7421-93-4	N.D.	3.41	3.41	mg/kg	250

\*=This limit was used in the evaluation of the final result

AR101246

**Lancaster Laboratories Sample No. SW 4583584**
**05-MET-083 Grab Soil Sample**
**N(2.5-3.0)**
**Former Metro Container Investigation**

Collected: 08/12/2005 08:10

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-083

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	13.5	31.1	mg/kg	250
01994	PCB-1221	11104-28-2	N.D.	6.04	31.1	mg/kg	250
01995	PCB-1232	11141-16-5	N.D.	8.78	31.1	mg/kg	250
01996	PCB-1242	53469-21-9	N.D.	5.49	31.1	mg/kg	250
01997	PCB-1248	12672-29-6	67.7	20.1	60.4	mg/kg	250
01998	PCB-1254	11097-69-1	99.3	6.04	31.1	mg/kg	250
01999	PCB-1260	11096-82-5	200.	20.1	60.4	mg/kg	250

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, endrin, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	6.1	30.	mg/kg	5
01185	Phenol	108-95-2	N.D.	2.0	10.	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	2.0	10.	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	2.3 J	2.0	10.	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	2.0	10.	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	15.	2.0	10.	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	4.1	10.	mg/kg	5
01191	Acenaphthene	83-32-9	3.1 J	2.0	10.	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	10.	30.	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	4.1	10.	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	10.	30.	mg/kg	5
01195	Pyrene	129-00-0	28.	2.0	10.	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	18.	2.0	10.	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	2.0	10.	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	8.9 J	6.1	10.	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	2.0	10.	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	2.0	10.	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	41.	120.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	10.	30.	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	4.1	10.	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	2.0	10.	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	2.0	10.	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	21.	2.0	10.	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	2.0	10.	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR101247

**Lancaster Laboratories Sample No. SW 4583584**
**05-MET-083 Grab Soil Sample**
**N(2.5-3.0)**
**Former Metro Container Investigation**

Collected: 08/12/2005 08:10

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-083

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	2.0	10.	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	2.0	10.	mg/kg	5
03759	Isophorone	78-59-1	N.D.	2.0	10.	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	2.0	10.	mg/kg	5
03761	Naphthalene	91-20-3	43.	2.0	10.	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	4.1	10.	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	10.	30.	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	2.0	10.	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	2.0	10.	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	4.1	10.	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	2.0	10.	mg/kg	5
03768	Fluorene	86-73-7	5.8 J	2.0	10.	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	2.0	10.	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	4.1	10.	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	2.0	10.	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	11.	2.0	10.	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	2.0	10.	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	2.0	10.	mg/kg	5
03775	Phenanthrene	85-01-8	28.	2.0	10.	mg/kg	5
03776	Anthracene	120-12-7	6.0 J	2.0	10.	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	4.1	10.	mg/kg	5
03778	Fluoranthene	206-44-0	19.	2.0	10.	mg/kg	5
03779	Benzidine	92-87-5	N.D.	41.	120.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	4.1	10.	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	9.8 J	2.0	10.	mg/kg	5
03782	Chrysene	218-01-9	13.	2.0	10.	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	6.1	20.	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	160.	4.1	20.	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	4.1	10.	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	8.1 J	2.0	10.	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	3.7 J	2.0	10.	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	6.4 J	2.0	10.	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	3.2 J	2.0	10.	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	2.0	10.	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	4.5 J	2.0	10.	mg/kg	5

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR101248

Lancaster Laboratories Sample No. SW 4583584

05-MET-083 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/12/2005 08:10

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-083

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.21	1.0	mg/kg	170.3
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.10	1.0	mg/kg	170.3
02020	t-Butyl alcohol	75-65-0	N.D.	4.2	21.	mg/kg	170.3
05444	Chloromethane	74-87-3	N.D.	0.42	1.0	mg/kg	170.3
05445	Vinyl Chloride	75-01-4	N.D.	0.21	1.0	mg/kg	170.3
05446	Bromomethane	74-83-9	N.D.	0.42	1.0	mg/kg	170.3
05447	Chloroethane	75-00-3	N.D.	0.42	1.0	mg/kg	170.3
05448	Trichlorofluoromethane	75-69-4	N.D.	0.42	1.0	mg/kg	170.3
05449	1,1-Dichloroethene	75-35-4	N.D.	0.21	1.0	mg/kg	170.3
05450	Methylene Chloride	75-09-2	N.D.	0.42	1.0	mg/kg	170.3
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.21	1.0	mg/kg	170.3
05452	1,1-Dichloroethane	75-34-3	1.8	0.21	1.0	mg/kg	170.3
05454	cis-1,2-Dichloroethene	156-59-2	0.55 J	0.21	1.0	mg/kg	170.3
05455	Chloroform	67-66-3	N.D.	0.21	1.0	mg/kg	170.3
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.21	1.0	mg/kg	170.3
05458	Carbon Tetrachloride	56-23-5	N.D.	0.21	1.0	mg/kg	170.3
05460	Benzene	71-43-2	1.5	0.10	1.0	mg/kg	170.3
05461	1,2-Dichloroethane	107-06-2	N.D.	0.21	1.0	mg/kg	170.3
05462	Trichloroethene	79-01-6	N.D.	0.21	1.0	mg/kg	170.3
05463	1,2-Dichloropropane	78-87-5	N.D.	0.21	1.0	mg/kg	170.3
05465	Bromodichloromethane	75-27-4	N.D.	0.21	1.0	mg/kg	170.3
05466	Toluene	108-88-3	120.	2.1	10.	mg/kg	1703
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.21	1.0	mg/kg	170.3
05468	Tetrachloroethene	127-18-4	N.D.	0.21	1.0	mg/kg	170.3
05470	Dibromochloromethane	124-48-1	N.D.	0.21	1.0	mg/kg	170.3
05472	Chlorobenzene	108-90-7	3.4	0.21	1.0	mg/kg	170.3
05474	Ethylbenzene	100-41-4	60.	2.1	10.	mg/kg	1703
05478	Bromoform	75-25-2	N.D.	0.21	1.0	mg/kg	170.3
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.21	1.0	mg/kg	170.3

\*=This limit was used in the evaluation of the final result

AR101249

Lancaster Laboratories Sample No. SW 4583584

05-MET-083 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/12/2005 08:10

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-083

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.21	1.0	mg/kg	170.3
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.21	1.0	mg/kg	170.3
06301	Xylene (Total)	1330-20-7	180.	2.1	10.	mg/kg	1703
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.42	2.1	mg/kg	170.3
07586	Acrolein	107-02-8	N.D.	4.2	21.	mg/kg	170.3
07587	Acrylonitrile	107-13-1	N.D.	0.83	4.2	mg/kg	170.3

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 09:38		20
06925	Thallium	SW-846 6010B	1	08/18/2005 06:46		1
06935	Arsenic	SW-846 6010B	2	08/17/2005 13:31		1
06936	Selenium	SW-846 6010B	2	08/17/2005 13:31		1
06944	Antimony	SW-846 6010B	2	08/17/2005 13:31		1
06947	Beryllium	SW-846 6010B	2	08/17/2005 13:31		1
06949	Cadmium	SW-846 6010B	2	08/17/2005 13:31		1

\*=This limit was used in the evaluation of the final result

AR101250

**Lancaster Laboratories Sample No. SW 4583584**

**05-MET-083 Grab Soil Sample**

**N(2.5-3.0)**

**Former Metro Container Investigation**

Collected: 08/12/2005 08:10

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:22

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-083

06951	Chromium	SW-846 6010B	2	08/17/2005 13:31		1
06953	Copper	SW-846 6010B	2	08/17/2005 13:31		1
06955	Lead	SW-846 6010B	2	08/17/2005 13:31		1
06961	Nickel	SW-846 6010B	2	08/17/2005 13:31		1
06966	Silver	SW-846 6010B	2	08/17/2005 13:31		1
06972	Zinc	SW-846 6010B	2	08/17/2005 13:31		1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34		1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:56		1
05912	Phenols	SW846 9066	1	08/19/2005 18:04		5
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 01:10		250
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 14:36		5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 19:44		170.3
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 19:44		170.3
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 00:58		1703
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:25		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:23		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4583584  
 Sample wt/vol: 7.34 (g/mL) g Lab File ID: HP07566.i/05aug18b.b/rg18s36.d  
 Level: (low/med) MED Date Received: 08/12/05  
 % Moisture: not dec. 18 Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP Dilution Factor: 170.3  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.50	28	J
2.	!Unknown aromatic	12.56	16	J
3.	!Unknown aromatic	12.73	10	J
4.	!Unknown aromatic	12.85	30	J
5.	!Unknown aromatic	13.16	12	J
6.	!Unknown aromatic	13.31	11	J
7.	!Unknown aromatic	13.35	11	J
8.	!Unknown aromatic	13.41	15	J
9.	!Unknown aromatic	13.57	5.9	J
10.	!Unknown aromatic	13.62	9.9	J
11.	!Unknown aromatic	13.89	7.0	J
12.	!Unknown aromatic	13.93	9.7	J
13.	!Unknown aromatic	14.22	7.1	J
14.	!Unknown aromatic	14.44	6.0	J
15. 91-20-3	Naphthalene	14.67	14	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101252

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583584  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0516.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	4.024	74	J
2.	!Unknown Alkane	4.596	63	J
3.	!Phenol, 4-(1,1,3,3-tetrameth	6.459	120	JX
4.	!Unknown Alkane	6.816	100	J
5.	!Unknown Carboxylic Acid	7.744	220	J
6.	!Unknown Alkane	7.867	70	J
7.	!Unknown	8.328	30	J
8.	!Unknown Carboxylic Acid	8.378	36	J
9.	!Unknown Alkane	8.894	51	J
10.	!Unknown	8.974	27	J
11.	!Unknown Alkane	9.072	32	J
12.	!Unknown Alkane	9.171	45	J
13.	!Unknown	9.226	26	J
14.	!Unknown Alkane	9.466	26	J
15.	!Unknown Alkane	9.607	40	J
16.	!Unknown Alkane	9.693	52	J
17.	!Unknown Alkane	9.743	26	J
18.	!Unknown Alkane	9.798	29	J
19.	!Unknown Alkane	9.952	96	J
20.	!Unknown Alkane	10.204	70	J
21.	!Unknown	10.554	46	J
22.	!Unknown	10.874	74	J
23.	!Unknown	11.077	55	J
24.	!Unknown Alkane	11.618	45	J
25.	!Unknown	11.710	51	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101253



Lancaster Laboratories Sample No. SW 4583585

05-MET-084 Grab Soil Sample

N(7.0-7.5)

Former Metro Container Investigation

Collected: 08/12/2005 08:35

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-084

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0724 J	0.0030	0.113	mg/kg	1
06925	Thallium	7440-28-0	1.74 J	1.11	2.32	mg/kg	1
06935	Arsenic	7440-38-2	8.27	0.778	2.32	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.11	2.32	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.952	2.32	mg/kg	1
06947	Beryllium	7440-41-7	0.369 J	0.0499	0.581	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0999	0.581	mg/kg	1
06951	Chromium	7440-47-3	20.8	0.615	1.74	mg/kg	1
06953	Copper	7440-50-8	13.4	0.348	1.16	mg/kg	1
06955	Lead	7439-92-1	33.9	0.906	2.32	mg/kg	1
06961	Nickel	7440-02-0	8.64	0.383	1.16	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.221	0.581	mg/kg	1
06972	Zinc	7440-66-6	88.4	0.534	2.32	mg/kg	1
00111	Moisture	n.a.	17.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	2.2 J	1.4	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00411	0.0200	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00411	0.0200	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00411	0.0200	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00797	0.0411	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00797	0.0411	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00797	0.0411	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0411	0.200	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00411	0.0200	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00411	0.0200	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00507	0.0200	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00411	0.0200	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00797	0.0411	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00797	0.0411	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0966	0.411	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.266	0.797	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00411	0.0200	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00797	0.0411	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00797	0.0411	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00797	0.0411	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101254

Lancaster Laboratories Sample No. SW 4583585

05-MET-084 Grab Soil Sample

N(7.0-7.5)

Former Metro Container Investigation

Collected: 08/12/2005 08:35

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-084

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.179	0.411	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0797	0.411	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.116	0.411	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0725	0.411	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.266	0.797	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0797	0.411	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.266	0.797	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.2	6.0	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.40	2.0	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.40	2.0	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.40	2.0	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.40	2.0	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.40	2.0	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.81	2.0	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	0.40	2.0	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.0	6.0	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.81	2.0	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.0	6.0	mg/kg	10
01195	Pyrene	129-00-0	4.2	0.40	2.0	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.40	2.0	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.40	2.0	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.2	2.0	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.40	2.0	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.40	2.0	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.1	24.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.0	6.0	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.81	2.0	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.40	2.0	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.40	2.0	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.40	2.0	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.40	2.0	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.40	2.0	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.40	2.0	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.40	2.0	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101255

**Lancaster Laboratories Sample No. SW 4583585**
**05-MET-084 Grab Soil Sample**
**N(7.0-7.5)**
**Former Metro Container Investigation**

Collected: 08/12/2005 08:35

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-084

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.40	2.0	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	0.40	2.0	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.81	2.0	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.0	6.0	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.40	2.0	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.40	2.0	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.81	2.0	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.40	2.0	mg/kg	10
03768	Fluorene	86-73-7	N.D.	0.40	2.0	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.40	2.0	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.81	2.0	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.40	2.0	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.40	2.0	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.40	2.0	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.40	2.0	mg/kg	10
03775	Phenanthrene	85-01-8	0.62 J	0.40	2.0	mg/kg	10
03776	Anthracene	120-12-7	N.D.	0.40	2.0	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.81	2.0	mg/kg	10
03778	Fluoranthene	206-44-0	1.3 J	0.40	2.0	mg/kg	10
03779	Benzidine	92-87-5	N.D.	8.1	24.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.81	2.0	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	2.5	0.40	2.0	mg/kg	10
03782	Chrysene	218-01-9	4.4	0.40	2.0	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.2	4.0	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.81	4.0	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.81	2.0	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	2.0 J	0.40	2.0	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	0.65 J	0.40	2.0	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	3.3	0.40	2.0	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.5 J	0.40	2.0	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	1.9 J	0.40	2.0	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	3.4	0.40	2.0	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

Lancaster Laboratories Sample No. SW 4583585

05-MET-084 Grab Soil Sample

N(7.0-7.5)

Former Metro Container Investigation

Collected: 08/12/2005 08:35

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-084

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.0009	0.004	mg/kg	0.74
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0004	0.004	mg/kg	0.74
02020	t-Butyl alcohol	75-65-0	N.D.	0.018	0.089	mg/kg	0.74
05444	Chloromethane	74-87-3	N.D.	0.002	0.004	mg/kg	0.74
05445	Vinyl Chloride	75-01-4	N.D.	0.0009	0.004	mg/kg	0.74
05446	Bromomethane	74-83-9	N.D.	0.002	0.004	mg/kg	0.74
05447	Chloroethane	75-00-3	N.D.	0.002	0.004	mg/kg	0.74
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.004	mg/kg	0.74
05449	1,1-Dichloroethene	75-35-4	N.D.	0.0009	0.004	mg/kg	0.74
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.004	mg/kg	0.74
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0009	0.004	mg/kg	0.74
05452	1,1-Dichloroethane	75-34-3	N.D.	0.0009	0.004	mg/kg	0.74
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0009	0.004	mg/kg	0.74
05455	Chloroform	67-66-3	N.D.	0.0009	0.004	mg/kg	0.74
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.0009	0.004	mg/kg	0.74
05458	Carbon Tetrachloride	56-23-5	N.D.	0.0009	0.004	mg/kg	0.74
05460	Benzene	71-43-2	0.002 J	0.0004	0.004	mg/kg	0.74
05461	1,2-Dichloroethane	107-06-2	N.D.	0.0009	0.004	mg/kg	0.74
05462	Trichloroethene	79-01-6	N.D.	0.0009	0.004	mg/kg	0.74
05463	1,2-Dichloropropane	78-87-5	N.D.	0.0009	0.004	mg/kg	0.74
05465	Bromodichloromethane	75-27-4	N.D.	0.0009	0.004	mg/kg	0.74
05466	Toluene	108-88-3	0.003 J	0.0009	0.004	mg/kg	0.74
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.0009	0.004	mg/kg	0.74
05468	Tetrachloroethene	127-18-4	N.D.	0.0009	0.004	mg/kg	0.74
05470	Dibromochloromethane	124-48-1	N.D.	0.0009	0.004	mg/kg	0.74
05472	Chlorobenzene	108-90-7	N.D.	0.0009	0.004	mg/kg	0.74
05474	Ethylbenzene	100-41-4	0.001 J	0.0009	0.004	mg/kg	0.74
05478	Bromoform	75-25-2	N.D.	0.0009	0.004	mg/kg	0.74
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0009	0.004	mg/kg	0.74
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0009	0.004	mg/kg	0.74
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0009	0.004	mg/kg	0.74
06301	Xylene (Total)	1330-20-7	0.006	0.0009	0.004	mg/kg	0.74
07586	Acrolein	107-02-8	N.D.	0.018	0.089	mg/kg	0.74
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.018	mg/kg	0.74

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4583585

05-MET-084 Grab Soil Sample

N(7.0-7.5)

Former Metro Container Investigation

Collected: 08/12/2005 08:35

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-084

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 08:27		1
06925	Thallium	SW-846 6010B	1	08/18/2005 06:50		1
06935	Arsenic	SW-846 6010B	2	08/17/2005 13:36		1
06936	Selenium	SW-846 6010B	2	08/17/2005 13:36		1
06944	Antimony	SW-846 6010B	2	08/17/2005 13:36		1
06947	Beryllium	SW-846 6010B	2	08/17/2005 13:36		1
06949	Cadmium	SW-846 6010B	2	08/17/2005 13:36		1
06951	Chromium	SW-846 6010B	2	08/17/2005 13:36		1
06953	Copper	SW-846 6010B	2	08/17/2005 13:36		1
06955	Lead	SW-846 6010B	2	08/17/2005 13:36		1
06961	Nickel	SW-846 6010B	2	08/17/2005 13:36		1
06966	Silver	SW-846 6010B	2	08/17/2005 13:36		1
06972	Zinc	SW-846 6010B	2	08/17/2005 13:36		1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34		1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 19:59		1
05912	Phenols	SW846 9066	1	08/19/2005 18:06		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 21:23		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 14:57		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 22:42		0.74
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 22:42		0.74
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30		1

\*=This limit was used in the evaluation of the final result

AR101258

**Lancaster Laboratories Sample No. SW 4583585**

**05-MET-084 Grab Soil Sample**

**N(7.0-7.5)**

**Former Metro Container Investigation**

Collected: 08/12/2005 08:35

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-084

05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:34		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:24		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4583585  
 Sample wt/vol: 6.79 (g/mL) g      Lab File ID: HP09193.i/05aug17a.b/xg17s14.d  
 Level: (low/med) LOW      Date Received: 08/12/05  
 % Moisture: not dec. 17      Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.91	1.3	J
2.	Unknown	3.85	3.8	J
3. 79-92-5	Camphene	12.25	0.022	J
4.	Unknown alkane	12.46	0.031	J
5.	Unknown alkane	13.32	0.028	J
6.	Unknown alkane	14.05	0.030	J
7.	Unknown alkane	14.15	0.049	J
8.	Unknown	14.45	0.024	J
9.	Unknown alicyclic	14.47	0.034	J
10.	Unknown alkane	14.53	0.022	J
11.	Unknown alkane	14.70	0.023	J
12.	Unknown	14.77	0.039	J
13.	Unknown	14.83	0.023	J
14.	Unknown	15.07	0.027	J
15.	Unknown aromatic	15.48	0.022	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101260

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583585  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0517.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 17 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.174	3000	JAB
2.	9,10-Dimethylantracene	8.064	4.4	JX
3.	Unknown Alkane	8.101	4.1	J
4.	Unknown Cycloalkane	8.126	3.9	J
5.	Unknown	8.445	23	J
6.	Unknown	8.618	22	J
7.	Unknown Alkane	8.654	30	J
8.	Unknown	8.691	23	J
9.	Pyrene, 4-methyl-	8.716	27	JX
10.	Pyrene, 4-methyl-	8.790	23	JX
11.	Unknown Cycloalkane	8.814	24	J
12.	Unknown Cycloalkane	9.048	23	J
13.	Unknown	9.226	49	J
14.	Triphenylene, 2-methyl-	9.669	37	JX
15.	Triphenylene, 2-methyl-	9.694	23	JX
16.	Unknown Cycloalkane	9.761	28	J
17.	Unknown Alkane	9.866	21	J
18.	Benz[a]anthracene, 7,12-dime	9.952	35	JX
19.	Benz[a]anthracene, 7,12-dime	10.019	38	JX
20.	Unknown	10.653	24	J
21.	Unknown	10.776	20	J
22.	Unknown Alkane	10.868	23	J
23.	Unknown	11.052	21	J
24.	Unknown	11.071	28	J
25.	Unknown	12.817	19	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101261



Lancaster Laboratories Sample No. SW 4583586

05-MET-085 Grab Soil Sample

N(7.5-8.0)

Former Metro Container Investigation

Collected: 08/12/2005 09:50

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-085

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0127 J	0.0031	0.115	mg/kg	1
06925	Thallium	7440-28-0	2.34 J	1.15	2.39	mg/kg	1
06935	Arsenic	7440-38-2	5.80	0.802	2.39	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.15	2.39	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.982	2.39	mg/kg	1
06947	Beryllium	7440-41-7	0.699	0.0515	0.599	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.103	0.599	mg/kg	1
06951	Chromium	7440-47-3	42.7	0.634	1.80	mg/kg	1
06953	Copper	7440-50-8	15.8	0.359	1.20	mg/kg	1
06955	Lead	7439-92-1	7.75	0.934	2.39	mg/kg	1
06961	Nickel	7440-02-0	15.0	0.395	1.20	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.227	0.599	mg/kg	1
06972	Zinc	7440-66-6	31.8	0.551	2.39	mg/kg	1
00111	Moisture	n.a.	18.9	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	2.5 J	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000210	0.00102	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000210	0.00102	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000210	0.00102	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000407	0.00210	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000407	0.00210	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000407	0.00210	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00210	0.0102	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000210	0.00102	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000210	0.00102	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000259	0.00102	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000210	0.00102	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000407	0.00210	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000407	0.00210	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00493	0.0210	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0136	0.0407	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000210	0.00102	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000407	0.00210	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000407	0.00210	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000407	0.00210	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101262

Lancaster Laboratories Sample No. SW 4583586

05-MET-085 Grab Soil Sample

N(7.5-8.0)

Former Metro Container Investigation

Collected: 08/12/2005 09:50

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-085

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00912	0.0210	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00407	0.0210	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00592	0.0210	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00370	0.0210	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0136	0.0407	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00407	0.0210	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0136	0.0407	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.62	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.082	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.041	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.62	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.082	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.62	mg/kg	1
01195	Pyrene	129-00-0	0.13 J	0.041	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.041	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.82	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.62	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.082	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.041	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.082	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.62	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101263

Lancaster Laboratories Sample No. SW 4583586

05-MET-085 Grab Soil Sample

N(7.5-8.0)

Former Metro Container Investigation

Collected: 08/12/2005 09:50

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-085

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.082	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.21	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.041	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.082	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.042 J	0.041	0.21	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.041	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.082	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.041	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.82	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.082	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.12 J	0.041	0.21	mg/kg	1
03782	Chrysene	218-01-9	0.13 J	0.041	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.082	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.082	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.087 J	0.041	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.041	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.23	0.041	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.16 J	0.041	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.16 J	0.041	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.43	0.041	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.83
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.83
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	0.10	mg/kg	0.83
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.83

\*=This limit was used in the evaluation of the final result

AR101264

Lancaster Laboratories Sample No. SW 4583586

05-MET-085 Grab Soil Sample

N(7.5-8.0)

Former Metro Container Investigation

Collected: 08/12/2005 09:50

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-085

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.83
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.83
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.83
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.83
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.83
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.005	mg/kg	0.83
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.83
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	0.83
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.83
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.83
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.83
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.83
05460	Benzene	71-43-2	0.016	0.0005	0.005	mg/kg	0.83
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.83
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.83
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.83
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.83
05466	Toluene	108-88-3	0.034	0.001	0.005	mg/kg	0.83
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.83
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.83
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.83
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.83
05474	Ethylbenzene	100-41-4	0.002 J	0.001	0.005	mg/kg	0.83
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.83
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.83
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.83
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.83
06301	Xylene (Total)	1330-20-7	0.010	0.001	0.005	mg/kg	0.83
07586	Acrolein	107-02-8	N.D.	0.020	0.10	mg/kg	0.83
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.020	mg/kg	0.83

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR101265

Lancaster Laboratories Sample No. SW 4583586

05-MET-085 Grab Soil Sample

N(7.5-8.0)

Former Metro Container Investigation

Collected: 08/12/2005 09:50

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-085

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 08:29		1
06925	Thallium	SW-846 6010B	1	08/18/2005 06:55		1
06935	Arsenic	SW-846 6010B	2	08/17/2005 13:42		1
06936	Selenium	SW-846 6010B	2	08/17/2005 13:42		1
06944	Antimony	SW-846 6010B	2	08/17/2005 13:42		1
06947	Beryllium	SW-846 6010B	2	08/17/2005 13:42		1
06949	Cadmium	SW-846 6010B	2	08/17/2005 13:42		1
06951	Chromium	SW-846 6010B	2	08/17/2005 13:42		1
06953	Copper	SW-846 6010B	2	08/17/2005 13:42		1
06955	Lead	SW-846 6010B	2	08/17/2005 13:42		1
06961	Nickel	SW-846 6010B	2	08/17/2005 13:42		1
06966	Silver	SW-846 6010B	2	08/17/2005 13:42		1
06972	Zinc	SW-846 6010B	2	08/17/2005 13:42		1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34		1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:00		1
05912	Phenols	SW846 9066	1	08/19/2005 16:49		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 21:44		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 15:18		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/17/2005 15:27		0.83
07584	PPL Volatiles	SW-846 8260B	1	08/17/2005 15:27		0.83
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 10:23		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:25		n.a.

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8

Lancaster Laboratories Sample No. SW 4583586

05-MET-085 Grab Soil Sample

N(7.5-8.0)

Former Metro Container Investigation

Collected: 08/12/2005 09:50

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:23

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-085

08389 GC/MS - LL Encore Prep

SW-846 5035

2 08/13/2005 11:25

n.a.

\*=This limit was used in the evaluation of the final result

AR101267

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4583586  
 Sample wt/vol: 6.03 (g/mL) g      Lab File ID: HP09193.i/05aug17a.b/xg17s05.d  
 Level: (low/med) LOW      Date Received: 08/12/05  
 % Moisture: not dec. 19      Date Analyzed: 08/17/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.96	1.4	J
2.	Unknown	3.90	15	J
3.	Unknown	12.26	0.008	J B
4.				
5.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101268

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583586  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0518.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 19 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.319	.83	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	2.192	20	JAB
3.	!Anthracene, 2-methyl-	7.609	.91	JX
4.	!Unknown	7.665	1.1	J
5.	!Unknown	7.726	1.9	J
6.	!Unknown Cycloalkane	7.794	1.5	J
7.	!Unknown Alkane	7.867	2.6	J
8.	!Unknown	7.917	2.4	J
9.	!Unknown	7.984	5.5	J
10.	!Unknown	10.075	.99	J
11.	!Unknown Alkane	10.616	.88	J
12.	!Perylene, 3-methyl-	10.671	.80	JX
13.	!Unknown Alkane	10.862	.84	J
14.	!Unknown	10.917	1.6	J
15.	!Unknown	11.028	.92	J
16.	!1,2:7,8-Dibenzophenanthrene	11.126	1.8	JX
17.	!Unknown	11.298	2.4	J
18.	!Unknown	11.520	2.6	J
19.	!Unknown	11.655	3.1	J
20.	!Unknown	11.790	1.6	J
21.	!Unknown	11.883	2.2	J
22.	!Unknown	12.104	1.8	J
23.	!Unknown	12.325	1.6	J
24.	!Unknown	12.417	1.2	J
25.	!1,2:4,5-Dibenzopyrene	12.793	.82	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101269



Lancaster Laboratories Sample No. SW 4583587

05-MET-091 Grab Soil Sample  
N(10.5-11.0)  
Former Metro Container Investigation

Collected: 08/12/2005 11:00

Account Number: 11549

Submitted: 08/12/2005 18:30  
Reported: 08/29/2005 at 11:24  
Discard: 09/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M-091

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0083 J	0.0031	0.116	mg/kg	1
06925	Thallium	7440-28-0	1.93 J	1.13	2.36	mg/kg	1
06935	Arsenic	7440-38-2	3.03	0.790	2.36	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.13	2.36	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.967	2.36	mg/kg	1
06947	Beryllium	7440-41-7	0.755	0.0507	0.590	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.101	0.590	mg/kg	1
06951	Chromium	7440-47-3	38.0	0.625	1.77	mg/kg	1
06953	Copper	7440-50-8	10.8	0.354	1.18	mg/kg	1
06955	Lead	7439-92-1	7.95	0.920	2.36	mg/kg	1
06961	Nickel	7440-02-0	18.9	0.389	1.18	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.224	0.590	mg/kg	1
06972	Zinc	7440-66-6	38.7	0.543	2.36	mg/kg	1
00111	Moisture	n.a.	18.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	2.1 J	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00209	0.0102	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00209	0.0102	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00209	0.0102	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00405	0.0209	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00405	0.0209	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00405	0.0209	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0209	0.102	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00209	0.0102	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00209	0.0102	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00258	0.0102	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00209	0.0102	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00405	0.0209	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00405	0.0209	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0491	0.209	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.135	0.405	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00209	0.0102	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00405	0.0209	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00405	0.0209	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00405	0.0209	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101270

**Lancaster Laboratories Sample No. SW 4583587**
**05-MET-091 Grab Soil Sample**
**N(10.5-11.0)**
**Former Metro Container Investigation**

Collected: 08/12/2005 11:00

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:24

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-091

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0908	0.209	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0405	0.209	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0589	0.209	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0368	0.209	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.135	0.405	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0405	0.209	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.135	0.405	mg/kg	10

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.61	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.082	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.041	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.61	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.082	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.61	mg/kg	1
01195	Pyrene	129-00-0	0.21	0.041	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.041	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.82	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.61	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.082	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.041	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101271

Lancaster Laboratories Sample No. SW 4583587

05-MET-091 Grab Soil Sample

N(10.5-11.0)

Former Metro Container Investigation

Collected: 08/12/2005 11:00

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:24

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-091

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.082	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.61	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.082	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.20	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.041	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.082	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	0.074 J	0.041	0.20	mg/kg	1
03776	Anthracene	120-12-7	0.045 J	0.041	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.082	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.041	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.82	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.082	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.20 J	0.041	0.20	mg/kg	1
03782	Chrysene	218-01-9	0.22	0.041	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.082	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.082	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.14 J	0.041	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.043 J	0.041	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.42	0.041	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.28	0.041	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.32	0.041	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.84	0.041	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.83
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.83

\*=This limit was used in the evaluation of the final result

AR101272

Lancaster Laboratories Sample No. SW 4583587

05-MET-091 Grab Soil Sample

N(10.5-11.0)

Former Metro Container Investigation

Collected: 08/12/2005 11:00

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:24

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-091

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	0.10	mg/kg	0.83
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.83
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.83
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.83
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.83
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.83
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.83
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.005	mg/kg	0.83
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.83
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	0.83
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.83
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.83
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.83
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.83
05460	Benzene	71-43-2	0.16	0.0005	0.005	mg/kg	0.83
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.83
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.83
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.83
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.83
05466	Toluene	108-88-3	0.088	0.001	0.005	mg/kg	0.83
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.83
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.83
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.83
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.83
05474	Ethylbenzene	100-41-4	0.004 J	0.001	0.005	mg/kg	0.83
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.83
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.83
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.83
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.83
06301	Xylene (Total)	1330-20-7	0.028	0.001	0.005	mg/kg	0.83
07586	Acrolein	107-02-8	N.D.	0.020	0.10	mg/kg	0.83
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.020	mg/kg	0.83

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4583587

05-MET-091 Grab Soil Sample

N(10.5-11.0)

Former Metro Container Investigation

Collected: 08/12/2005 11:00

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:24

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-091

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.							

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 08:30		1
06925	Thallium	SW-846 6010B	1	08/18/2005 07:00		1
06935	Arsenic	SW-846 6010B	2	08/17/2005 13:47		1
06936	Selenium	SW-846 6010B	2	08/17/2005 13:47		1
06944	Antimony	SW-846 6010B	2	08/17/2005 13:47		1
06947	Beryllium	SW-846 6010B	2	08/17/2005 13:47		1
06949	Cadmium	SW-846 6010B	2	08/17/2005 13:47		1
06951	Chromium	SW-846 6010B	2	08/17/2005 13:47		1
06953	Copper	SW-846 6010B	2	08/17/2005 13:47		1
06955	Lead	SW-846 6010B	2	08/17/2005 13:47		1
06961	Nickel	SW-846 6010B	2	08/17/2005 13:47		1
06966	Silver	SW-846 6010B	2	08/17/2005 13:47		1
06972	Zinc	SW-846 6010B	2	08/17/2005 13:47		1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34		1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:02		1
05912	Phenols	SW846 9066	1	08/19/2005 16:50		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 22:05		10
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 15:39		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 14:38		0.83
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 14:38		0.83
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20		1

\*=This limit was used in the evaluation of the final result

AR101274

**Lancaster Laboratories Sample No. SW 4583587****05-MET-091 Grab Soil Sample****N(10.5-11.0)****Former Metro Container Investigation**

Collected: 08/12/2005 11:00

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:24

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-091

06171	GC/MS - Field Preserved MeOH	SW-846 5035
08389	GC/MS - LL Encore Prep	SW-846 5035
08389	GC/MS - LL Encore Prep	SW-846 5035

1	08/15/2005 11:35		1
1	08/13/2005 11:26		n.a.
2	08/13/2005 11:26		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4583587  
 Sample wt/vol: 6.02 (g/mL) g      Lab File ID: HP09193.i/05aug18a.b/xg18s01.d  
 Level: (low/med) LOW      Date Received: 08/12/05  
 % Moisture: not dec. 19      Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.91	4.7	J
2.	Unknown	4.45	79	J
3.	Unknown aliphatic	7.44	0.032	J
4. 110-02-1	Thiophene	7.60	0.016	J
5.	Unknown siloxane	12.26	0.017	J B
6.	Unknown alkane	14.05	0.017	J
7.	Unknown aromatic	14.15	0.028	J
8.	Unknown aromatic	14.45	0.029	J
9.	Unknown aliphatic	14.80	0.022	J
10.	Unknown aromatic	14.93	0.017	J
11.	Unknown alkane	15.01	0.014	J
12.	Unknown aromatic	15.07	0.024	J
13.	Unknown	15.17	0.02	J
14. 91-57-6	Naphthalene, 2-methyl-	15.34	0.015	J
15.	Unknown	15.49	0.018	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101276

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583587  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0519.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 19 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.192	20	JAB
2.	Unknown	7.640	.50	J
3.	Unknown	7.726	.78	J
4.	Unknown Cycloalkane	7.794	1.4	J
5.	Unknown Alkane	7.867	1.8	J
6.	Unknown	7.917	1.9	J
7.	Unknown	7.984	3.8	J
8.	Unknown Alkane	9.066	.65	J
9.	Chrysene, 1-methyl-	9.663	.53	JX
10.	Unknown	10.075	.91	J
11.	Benz[e]acephenanthrylene	10.370	.81	JX
12.	Unknown Alkane	10.610	.66	J
13.	Perylene, 3-methyl-	10.653	.80	JX
14.	Unknown	10.770	1.0	J
15.	Unknown Alkane	10.862	.60	J
16.	Unknown	10.942	1.3	J
17.	Unknown	11.003	.55	J
18.	Unknown	11.052	2.1	J
19.	Dibenz[a,h]anthracene	11.286	1.6	JX
20.	Unknown	11.532	1.3	J
21.	Unknown	11.661	1.7	J
22.	Unknown	11.803	.84	J
23.	Unknown	11.895	.85	J
24.	Unknown	12.104	.88	J
25.	Unknown	12.301	.71	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101277



**Lancaster Laboratories Sample No. SW 4583588**
**05-MET-089 Grab Soil Sample**
**N(5.0-5.5)**
**Former Metro Container Investigation**

Collected: 08/12/2005 11:45

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:24

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-089

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.171	0.0035	0.131	mg/kg	1
06925	Thallium	7440-28-0	1.89 J	1.29	2.69	mg/kg	1
06935	Arsenic	7440-38-2	5.85	0.900	2.69	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.29	2.69	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.10	2.69	mg/kg	1
06947	Beryllium	7440-41-7	0.744	0.0577	0.671	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.115	0.671	mg/kg	1
06951	Chromium	7440-47-3	28.9	0.712	2.01	mg/kg	1
06953	Copper	7440-50-8	15.8	0.403	1.34	mg/kg	1
06955	Lead	7439-92-1	79.7	1.05	2.69	mg/kg	1
06961	Nickel	7440-02-0	15.8	0.443	1.34	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.255	0.671	mg/kg	1
06972	Zinc	7440-66-6	67.5	0.618	2.69	mg/kg	1
00111	Moisture	n.a.	28.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.25	0.69	mg/kg	1
05912	Phenols	n.a.	N.D.	1.7	4.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00475	0.0232	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00475	0.0232	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00475	0.0232	mg/kg	20
01221	p,p-DDT	50-29-3	0.0123 J	0.00922	0.0475	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00922	0.0475	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00922	0.0475	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0475	0.232	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00475	0.0232	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00475	0.0232	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00587	0.0232	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00475	0.0232	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00922	0.0475	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00922	0.0475	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.112	0.475	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.307	0.922	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00475	0.0232	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00922	0.0475	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00922	0.0475	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00922	0.0475	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101278

**Lancaster Laboratories Sample No. SW 4583588**

**05-MET-089 Grab Soil Sample**

**N(5.0-5.5)**

**Former Metro Container Investigation**

Collected: 08/12/2005 11:45

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:24

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-089

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.207	0.475	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0922	0.475	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.134	0.475	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0838	0.475	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.307	0.922	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0922	0.475	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.307	0.922	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.4	7.0	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.47	2.3	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.47	2.3	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.47	2.3	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.47	2.3	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.47	2.3	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.93	2.3	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	0.47	2.3	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.3	7.0	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.93	2.3	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.3	7.0	mg/kg	10
01195	Pyrene	129-00-0	3.5	0.47	2.3	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.47	2.3	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.47	2.3	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.4	2.3	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.47	2.3	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.47	2.3	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	9.3	28.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.3	7.0	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.93	2.3	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.47	2.3	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.47	2.3	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.47	2.3	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.47	2.3	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.47	2.3	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.47	2.3	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.47	2.3	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101279

**Lancaster Laboratories Sample No. SW 4583588**
**05-MET-089 Grab Soil Sample**
**N(5.0-5.5)**
**Former Metro Container Investigation**

Collected: 08/12/2005 11:45

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:24

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-089

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.47	2.3	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	0.47	2.3	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.93	2.3	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.3	7.0	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.47	2.3	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.47	2.3	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.93	2.3	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.47	2.3	mg/kg	10
03768	Fluorene	86-73-7	N.D.	0.47	2.3	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.47	2.3	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.93	2.3	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.47	2.3	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.47	2.3	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.47	2.3	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.47	2.3	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	0.47	2.3	mg/kg	10
03776	Anthracene	120-12-7	0.98 J	0.47	2.3	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.93	2.3	mg/kg	10
03778	Fluoranthene	206-44-0	0.66 J	0.47	2.3	mg/kg	10
03779	Benzidine	92-87-5	N.D.	9.3	28.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.93	2.3	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	3.2	0.47	2.3	mg/kg	10
03782	Chrysene	218-01-9	2.9	0.47	2.3	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.4	4.7	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.93	4.7	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.93	2.3	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	1.9 J	0.47	2.3	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	0.67 J	0.47	2.3	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	4.8	0.47	2.3	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	4.4	0.47	2.3	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	3.7	0.47	2.3	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	16.	0.47	2.3	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4583588

05-MET-089 Grab Soil Sample  
N(5.0-5.5)  
Former Metro Container Investigation

Collected: 08/12/2005 11:45

Account Number: 11549

Submitted: 08/12/2005 18:30  
Reported: 08/29/2005 at 11:24  
Discard: 09/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M-089

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	0.99
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.028	0.14	mg/kg	0.99
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	0.99
05445	Vinyl Chloride	75-01-4	0.094	0.001	0.007	mg/kg	0.99
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	0.99
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	0.99
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	0.99
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	0.99
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	0.99
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	0.99
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	0.99
05454	cis-1,2-Dichloroethene	156-59-2	0.086	0.001	0.007	mg/kg	0.99
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	0.99
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	0.99
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	0.99
05460	Benzene	71-43-2	0.0009 J	0.0007	0.007	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	0.99
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	0.99
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	0.99
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	0.99
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	0.99
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	0.99
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	0.99
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	0.99
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	0.99
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	0.99
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	0.99
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	0.99
07586	Acrolein	107-02-8	N.D.	0.028	0.14	mg/kg	0.99
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.028	mg/kg	0.99

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4583588

05-MET-089 Grab Soil Sample

N(5.0-5.5)

Former Metro Container Investigation

Collected: 08/12/2005 11:45

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:24

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-089

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 08:31		1
06925	Thallium	SW-846 6010B	1	08/18/2005 07:04		1
06935	Arsenic	SW-846 6010B	2	08/17/2005 13:53		1
06936	Selenium	SW-846 6010B	2	08/17/2005 13:53		1
06944	Antimony	SW-846 6010B	2	08/17/2005 13:53		1
06947	Beryllium	SW-846 6010B	2	08/17/2005 13:53		1
06949	Cadmium	SW-846 6010B	2	08/17/2005 13:53		1
06951	Chromium	SW-846 6010B	2	08/17/2005 13:53		1
06953	Copper	SW-846 6010B	2	08/17/2005 13:53		1
06955	Lead	SW-846 6010B	2	08/17/2005 13:53		1
06961	Nickel	SW-846 6010B	2	08/17/2005 13:53		1
06966	Silver	SW-846 6010B	2	08/17/2005 13:53		1
06972	Zinc	SW-846 6010B	2	08/17/2005 13:53		1
00111	Moisture	EPA 160.3 modified	1	08/15/2005 17:34		1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:03		1
05912	Phenols	SW846 9066	1	08/19/2005 17:24		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 22:25		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/16/2005 16:00		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 20:29		0.99
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 20:29		0.99
00381	BNA Soil Extraction	SW-846 3550B	1	08/15/2005 16:50		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 06:30		1

\*=This limit was used in the evaluation of the final result

AR101282

**Lancaster Laboratories Sample No. SW 4583588**

**05-MET-089 Grab Soil Sample**

**N(5.0-5.5)**

**Former Metro Container Investigation**

Collected: 08/12/2005 11:45

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:24

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

M-089

05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 09:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/16/2005 02:20		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:38		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/13/2005 11:27		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/13/2005 11:28		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! M-089 !
Matrix: (soil/water) SOIL	SAS No.: _____	! _____ !
Sample wt/vol: 5.05 (g/mL) g	Lab Sample ID: 4583588	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09193.i/05aug18a.b/xg18s16.d	
% Moisture: not dec. 28	Date Received: 08/12/05	
Column: (pack/cap) CAP	Date Analyzed: 08/18/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	1.7	J
2. 75-15-0	Carbon disulfide	3.87	1.6	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101284

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4583588  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0520.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: 28 Decanted: (Y/N)                      Date Extracted: 08/15/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.331	8.5	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	2.174	23	JAB
3.	!Unknown	7.492	5.4	J
4.	!Unknown	7.818	7.3	J
5.	!Unknown	7.874	6.2	J
6.	!Unknown	8.015	6.8	J
7.	!Unknown	9.048	13	J
8.	!Unknown	9.177	7.2	J
9.	!Unknown	9.226	9.0	J
10.	!Unknown	9.429	15	J
11.	!Unknown	9.528	8.5	J
12.	!Benz[a]anthracene, 1-methyl-	9.669	19	JX
13.	!Unknown	9.737	14	J
14.	!Unknown	9.829	13	J
15.	!Benzo[c]phenanthrene, 5,8-di	9.958	6.8	JX
16.	!4,5,11,12-Tetrahydrobenzo[A]	10.019	11	JX
17.	!Benzo[c]phenanthrene, 5,8-di	10.081	11	JX
18.	!Unknown	10.241	10	J
19.	!Benzo[e]pyrene	10.376	5.4	JX
20.	!Unknown	10.579	6.1	J
21.	!Perylene, 3-methyl-	10.659	7.8	JX
22.	!Unknown	10.720	9.7	J
23.	!Unknown	10.929	11	J
24.	!Unknown	11.065	8.4	J
25.	!Unknown	11.673	7.2	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101285



Lancaster Laboratories Sample No. WW 4583589

EB081205S Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/12/2005 13:45

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:25

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

SEB19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0097	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.039	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0097	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0097	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0097	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0097	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0039	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0097	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0039	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.068	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.97	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0039	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0097	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.097	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.097	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.097	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.097	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101286

**Lancaster Laboratories Sample No. WW 4583589**
**EB081205S Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/12/2005 13:45

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:25

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

SEB19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.097	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.14	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.097	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.097	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	0.9	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	0.9	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	0.9	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	0.9	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	0.9	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	9.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	0.9	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	0.9	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	0.9	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	9.	28.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.9	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	0.9	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	0.9	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	0.9	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.9	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	0.9	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.9	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	0.9	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	0.9	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.9	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.9	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	0.9	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	0.9	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	0.9	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	0.9	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	0.9	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	0.9	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	0.9	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101287

Lancaster Laboratories Sample No. WW 4583589

EB081205S Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/12/2005 13:45

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:25

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

SEB19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03956	Fluorene	86-73-7	N.D.	0.9	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.9	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	0.9	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	0.9	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	0.9	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	0.9	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	0.9	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	0.9	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	0.9	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	0.9	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	0.9	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	7.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	0.9	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	0.9	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	0.9	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.9	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	0.9	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	0.9	5.	ug/l	1
06371	Add'l Volatile Compounds						
05662	1,2-Dibromoethane	106-93-4	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101288

**Lancaster Laboratories Sample No. WW 4583589**
**EB081205S Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/12/2005 13:45

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:25

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

SEB19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

**00890 VOA GC/MS Library Search**

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

**00893 Semivolatile Library Search**

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4583589

EB081205S Equipment Blank Grab Water Sample  
EB  
Former Metro Container Investigation

Collected: 08/12/2005 13:45

Account Number: 11549

Submitted: 08/12/2005 18:30

Montgomery Watson Harza

Reported: 08/29/2005 at 11:25

P.O. Box 7009

Discard: 09/29/2005

Pasadena CA 91109-7009

SEB19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 14:57		1
07022	Thallium	SW-846 6010B	1	08/16/2005 14:54		1
07035	Arsenic	SW-846 6010B	1	08/16/2005 14:54		1
07036	Selenium	SW-846 6010B	1	08/16/2005 14:54		1
07044	Antimony	SW-846 6010B	1	08/16/2005 14:54		1
07047	Beryllium	SW-846 6010B	1	08/16/2005 14:54		1
07049	Cadmium	SW-846 6010B	1	08/16/2005 14:54		1
07051	Chromium	SW-846 6010B	1	08/16/2005 14:54		1
07053	Copper	SW-846 6010B	1	08/16/2005 14:54		1
07055	Lead	SW-846 6010B	1	08/16/2005 14:54		1
07061	Nickel	SW-846 6010B	1	08/16/2005 14:54		1
07066	Silver	SW-846 6010B	1	08/16/2005 14:54		1
07072	Zinc	SW-846 6010B	1	08/16/2005 14:54		1
02393	Phenols	SW846 9066	1	08/18/2005 11:19		1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 18:46		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 17:02		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 00:45		1
06371	Add'l Volatile Compounds	SW-846 8260B	1	08/15/2005 20:43		1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 20:43		1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 16:30		1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:30		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 20:43		n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30		1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30		1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/17/2005 14:20		1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/15/2005 09:30		1

\*=This limit was used in the evaluation of the final result

AR101290

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! SEB19 !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4583589	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09355.i/05aug15b.b/yg15s44.d	
% Moisture: not dec.	Date Received: 08/12/05	
Column: (pack/cap) CAP	Date Analyzed: 08/15/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101291

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4583589  
 Sample wt/vol: 1060 (g/mL) mL Lab File ID: oh0531.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture:              Decanted: (Y/N) Date Extracted: 08/16/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 1 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.10544-50-0	Cyclic octaatomic sulfur	8.156	4	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101292

**Lancaster Laboratories Sample No. G5 4583590**
**TB081205S Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation**

Collected: 08/12/2005

Account Number: 11549

Submitted: 08/12/2005 18:30  
Reported: 08/29/2005 at 11:26  
Discard: 09/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

STB19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	mg/kg	50
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	50
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.0	mg/kg	50
05444	Chloromethane	74-87-3	N.D.	0.10	0.25	mg/kg	50
05445	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	mg/kg	50
05446	Bromomethane	74-83-9	N.D.	0.10	0.25	mg/kg	50
05447	Chloroethane	75-00-3	N.D.	0.10	0.25	mg/kg	50
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	mg/kg	50
05449	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	mg/kg	50
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.25	mg/kg	50
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	mg/kg	50
05452	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	mg/kg	50
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	mg/kg	50
05455	Chloroform	67-66-3	N.D.	0.050	0.25	mg/kg	50
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	mg/kg	50
05458	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	mg/kg	50
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	mg/kg	50
05462	Trichloroethene	79-01-6	N.D.	0.050	0.25	mg/kg	50
05463	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	mg/kg	50
05465	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	mg/kg	50
05466	Toluene	108-88-3	N.D.	0.050	0.25	mg/kg	50
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	mg/kg	50
05468	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	mg/kg	50
05470	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	mg/kg	50
05472	Chlorobenzene	108-90-7	N.D.	0.050	0.25	mg/kg	50
05474	Ethylbenzene	100-41-4	N.D.	0.050	0.25	mg/kg	50
05478	Bromoform	75-25-2	N.D.	0.050	0.25	mg/kg	50
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	mg/kg	50
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	mg/kg	50
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	mg/kg	50
06301	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	mg/kg	50
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.50	mg/kg	50
07586	Acrolein	107-02-8	N.D.	1.0	5.0	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR101293



Lancaster Laboratories Sample No. G5 4583590

TB081205S Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation

Collected: 08/12/2005

Account Number: 11549

Submitted: 08/12/2005 18:30  
Reported: 08/29/2005 at 11:26  
Discard: 09/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

STB19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	50
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 17:53		50
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 17:53		50
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/15/2005 11:38		1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4583590	SDG No.: _____
Sample wt/vol: 5.0 (g/mL) g	Lab File ID: HP07566.i/05aug18b.b/rg18s31.d	
Level: (low/med) MED	Date Received: 08/12/05	
% Moisture: not dec. N/A	Date Analyzed: 08/18/05	
Column: (pack/cap) CAP	Dilution Factor: 50.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) mg/Kg	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101295

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052270018A	Sample number(s): 4583589								
Alpha BHC	N.D.	0.0020	0.010	ug/l	100	100	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	110	110	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	110	110	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	100	100	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	89	74	45-130	18	20
Aldrin	N.D.	0.0050	0.020	ug/l	80	55	47-122	37*	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	100	100	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	110	95	44-154	14	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	119	119	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	105	105	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	100	100	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	95	95	62-135	0	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	100	100	66-131	0	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	100	100	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	100	95	36-158	5	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	120	120	49-155	0	20
Batch number: 052270020A	Sample number(s): 4583574-4583588								
Gamma BHC - Lindane	N.D.	0.170	0.830	ug/kg	117		74-133		
Heptachlor	N.D.	0.170	0.830	ug/kg	108		72-143		
Aldrin	N.D.	0.170	0.830	ug/kg	117		74-137		
p,p-DDT	N.D.	0.330	1.70	ug/kg	85		67-152		
Dieldrin	N.D.	0.330	1.70	ug/kg	115		71-133		
Endrin	N.D.	0.330	1.70	ug/kg	106		68-133		
Methoxychlor	N.D.	1.70	8.30	ug/kg	89		56-168		
Alpha BHC	N.D.	0.170	0.830	ug/kg	115		70-134		
Beta BHC	N.D.	0.170	0.830	ug/kg	115		68-137		
Delta BHC	N.D.	0.210	0.830	ug/kg	106		53-167		
Heptachlor Epoxide	N.D.	0.170	0.830	ug/kg	114		72-132		
p,p-DDE	N.D.	0.330	1.70	ug/kg	108		71-143		
p,p-DDD	N.D.	0.330	1.70	ug/kg	108		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.0	33.0	ug/kg					

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Endosulfan I	N.D.	0.170	0.830	ug/kg	112		71-130		
Endosulfan II	N.D.	0.330	1.70	ug/kg	110		73-134		
Endosulfan Sulfate	N.D.	0.330	1.70	ug/kg	109		58-133		
Endrin Aldehyde	N.D.	0.330	1.70	ug/kg	92		47-145		
PCB-1016	N.D.	7.40	17.0	ug/kg					
PCB-1221	N.D.	3.30	17.0	ug/kg					
PCB-1232	N.D.	4.80	17.0	ug/kg					
PCB-1242	N.D.	3.00	17.0	ug/kg					
PCB-1248	N.D.	11.0	33.0	ug/kg					
PCB-1254	N.D.	3.30	17.0	ug/kg					
PCB-1260	N.D.	11.0	33.0	ug/kg					
Batch number: 05227117101B	Sample number(s): 4583589								
Total Cyanide	N.D.	0.0050	0.010	mg/l	106		90-110		
Batch number: 052271848002	Sample number(s): 4583589								
Thallium	N.D.	0.0100	0.0200	mg/l	104		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	111		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	104		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	105		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	109		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	111		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	106		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	105		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	105		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	107		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	111		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	107		90-112		
Batch number: 052275713004	Sample number(s): 4583589								
Mercury	N.D.	0.00006	0.00020	mg/l	107		80-120		
		2							
Batch number: 05227820004A	Sample number(s): 4583574-4583578								
Moisture					100		99-101		
Batch number: 05227820004B	Sample number(s): 4583579-4583588								
Moisture					100		99-101		
Batch number: 05227SLA026	Sample number(s): 4583574-4583588								
1,4-Dioxane	N.D.	100.	500.	ug/kg	31		14-81		
Phenol	N.D.	33.	170.	ug/kg	76		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	87		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	68		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	76		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	84		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	88		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	92		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	71		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	78		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	81		47-110		
Pyrene	N.D.	33.	170.	ug/kg	106		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	89		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	97		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	87		68-103		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	91		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	97		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	78		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	91		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	63		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	77		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	67		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	68		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	100		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	75		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	82		68-105		
Isophorone	N.D.	33.	170.	ug/kg	83		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	97		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	83		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	78		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	99		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	69		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	106		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	89		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	92		75-108		
Fluorene	N.D.	33.	170.	ug/kg	86		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	87		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	92		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	101		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	104		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	106		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	91		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	94		70-107		
Anthracene	N.D.	33.	170.	ug/kg	94		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	103		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	87		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	81		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	94		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	97		73-111		
Chrysene	N.D.	33.	170.	ug/kg	93		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	63		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	97		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	105		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	90		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	92		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	100		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	98		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	104		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	102		66-120		
Batch number: 05227WAC026 Sample number(s): 4583589									
1,4-Dioxane	N.D.	1.	5.	ug/l	57	58	43-73	2	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	89	88	65-107	1	30
2-Chlorophenol	N.D.	1.	5.	ug/l	84	83	63-112	1	30
Phenol	N.D.	1.	5.	ug/l	35	35	29-57	0	30
2-Nitrophenol	N.D.	1.	5.	ug/l	100	103	83-119	3	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	82	82	60-107	0	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	89	89	66-110	0	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	83	82	48-114	1	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	95	95	69-111	1	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	75	77	44-130	3	30
4-Nitrophenol	N.D.	10.	30.	ug/l	35	36	16-75	1	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	91	92	56-130	1	30
Pentachlorophenol	N.D.	3.	15.	ug/l	82	85	48-108	3	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	50	51	39-84	3	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	85	84	57-110	1	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	67	67	52-102	0	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	70	70	54-103	1	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	71	70	58-99	1	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	112	110	68-133	2	30
Hexachloroethane	N.D.	1.	5.	ug/l	62	61	33-106	1	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	79	78	56-109	2	30
Nitrobenzene	N.D.	1.	5.	ug/l	86	87	61-111	1	30
Isophorone	N.D.	1.	5.	ug/l	82	80	63-105	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	101	99	69-119	2	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	81	80	62-101	1	30
Naphthalene	N.D.	1.	5.	ug/l	87	85	70-102	2	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	62	65	33-118	4	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	67	64	14-169	5	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	68	69	56-100	1	30
Acenaphthylene	N.D.	1.	5.	ug/l	104	105	65-120	0	30
Dimethylphthalate	N.D.	2.	5.	ug/l	80	78	46-109	3	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	88	90	70-108	2	30
Acenaphthene	N.D.	1.	5.	ug/l	91	90	68-111	1	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	79	78	75-122	1	30
Fluorene	N.D.	1.	5.	ug/l	82	85	61-116	3	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	86	86	65-110	1	30
Diethylphthalate	N.D.	2.	5.	ug/l	90	90	61-110	0	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	97	99	62-106	1	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	101	102	63-104	0	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	98	104	67-110	5	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	90	91	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	91	93	68-111	2	30
Anthracene	N.D.	1.	5.	ug/l	91	96	68-108	5	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	102	102	63-113	0	30
Fluoranthene	N.D.	1.	5.	ug/l	87	87	66-108	1	30
Pyrene	N.D.	1.	5.	ug/l	101	101	68-114	0	30
Benzidine	N.D.	20.	60.	ug/l	89	89	20-134	1	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	93	93	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	94	95	72-112	2	30
Chrysene	N.D.	1.	5.	ug/l	92	94	70-111	2	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	77	79	39-116	3	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	98	99	62-126	0	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	103	103	58-118	0	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	85	82	67-117	4	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	97	98	67-120	1	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	99	101	68-121	2	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	97	98	67-122	0	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	108	106	71-129	1	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	103	103	67-121	1	30

Batch number: 052285708001

Sample number(s): 4583574-4583588

Thallium	N.D.	0.960	2.00	mg/kg	106	76-125
Arsenic	N.D.	0.670	2.00	mg/kg	98	80-120
Selenium	N.D.	0.960	2.00	mg/kg	105	74-126

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Antimony	N.D.	0.820	2.00	mg/kg	68		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	103		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	99		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	104		78-121		
Copper	N.D.	0.300	1.00	mg/kg	98		80-120		
Lead	N.D.	0.780	2.00	mg/kg	100		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	101		78-122		
Silver	N.D.	0.190	0.500	mg/kg	110		49-150		
Zinc	0.806 J	0.460	2.00	mg/kg	99		46-154		
Batch number: 052285711001	Sample number(s): 4583574-4583588								
Mercury	N.D.	0.0027	0.100	mg/kg	87		66-133		
Batch number: 05229102201A	Sample number(s): 4583574-4583582								
Total Cyanide	0.27 J	0.18	0.50	mg/kg	107		90-110		
Batch number: 05229102201B	Sample number(s): 4583583-4583588								
Total Cyanide	0.27 J	0.18	0.50	mg/kg	107		90-110		
Batch number: 05229120102A	Sample number(s): 4583589								
Phenols	N.D.	0.0090	0.030	mg/l	96	96	83-108	1	20
Batch number: 05230113201B	Sample number(s): 4583574-4583583								
Phenols	N.D.	1.2	3.5	mg/kg	98		80-120		
Batch number: 05231113201A	Sample number(s): 4583584-4583588								
Phenols	N.D.	1.2	3.5	mg/kg	97		80-120		
Batch number: R052301AB	Sample number(s): 4583578,4583580,4583583-4583584,4583590								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	96	99	75-125	4	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	98	100	51-160	2	30
Chloromethane	N.D.	100.	250.	ug/kg	71	70	62-132	1	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	72	71	66-124	1	30
Bromomethane	N.D.	100.	250.	ug/kg	83	79	59-127	5	30
Chloroethane	N.D.	100.	200.	ug/kg	91	72	63-120	24	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	85	86	65-138	0	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	89	90	69-133	0	30
Methylene Chloride	N.D.	100.	250.	ug/kg	97	99	75-120	2	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	94	95	77-124	0	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	97	98	79-124	0	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	99	100	76-120	1	30
Chloroform	N.D.	50.	250.	ug/kg	100	101	81-117	1	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	94	94	74-127	0	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	92	91	69-130	1	30
Benzene	N.D.	25.	250.	ug/kg	100	100	77-119	0	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	98	100	76-126	2	30
Trichloroethene	N.D.	50.	250.	ug/kg	97	98	81-114	1	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	100	101	78-119	1	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	93	95	77-116	2	30
Toluene	N.D.	50.	250.	ug/kg	101	100	81-116	1	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	102	104	74-117	2	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	96	94	73-127	2	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	98	100	73-116	1	30
Chlorobenzene	N.D.	50.	250.	ug/kg	102	102	81-112	0	30
Ethylbenzene	N.D.	50.	250.	ug/kg	100	101	82-115	1	30

\*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromoform	N.D.	50.	250.	ug/kg	95	98	64-125	3	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	103	104	64-121	1	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	102	104	77-114	2	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	102	104	72-119	2	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	98	100	72-117	2	30
Xylene (Total)	N.D.	50.	250.	ug/kg	99	99	82-117	0	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	101	105	9-208	4	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	81	84	33-143	3	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	97	100	56-129	3	30
Batch number: X052271AB Sample number(s): 4583574-4583575,4583582,4583586									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	89	88	75-125	1	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	127	127	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	119	116	62-132	2	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	106	107	66-124	1	30
Bromomethane	N.D.	2.	5.	ug/kg	97	96	59-127	1	30
Chloroethane	N.D.	2.	4.	ug/kg	110	108	63-120	2	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	89	89	65-138	0	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	93	93	69-133	1	30
Methylene Chloride	N.D.	2.	5.	ug/kg	100	100	75-120	1	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	94	77-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	106	105	79-124	1	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	98	96	76-120	3	30
Chloroform	N.D.	1.	5.	ug/kg	98	97	81-117	1	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91	92	74-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	89	88	69-130	1	30
Benzene	N.D.	0.5	5.	ug/kg	104	104	77-119	0	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	95	93	76-126	3	30
Trichloroethene	N.D.	1.	5.	ug/kg	99	98	81-114	1	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	114	113	78-119	0	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	93	94	77-116	1	30
Toluene	N.D.	1.	5.	ug/kg	106	108	81-116	2	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	103	104	74-117	0	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	98	97	73-127	1	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	93	93	73-116	0	30
Chlorobenzene	N.D.	1.	5.	ug/kg	102	101	81-112	1	30
Ethylbenzene	N.D.	1.	5.	ug/kg	105	105	82-115	0	30
Bromoform	N.D.	1.	5.	ug/kg	88	85	64-125	3	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	114	106	64-121	7	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	97	96	77-114	2	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	102	103	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	100	99	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	103	104	82-117	1	30
Acrolein	N.D.	20.	40.	ug/kg	98	86	33-143	13	30
Acrylonitrile	N.D.	4.	20.	ug/kg	103	92	56-129	11	30
Batch number: X052271AD Sample number(s): 4583587									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	89	88	75-125	1	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	127	127	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	119	116	62-132	2	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	106	107	66-124	1	30
Bromomethane	N.D.	2.	5.	ug/kg	97	96	59-127	1	30
Chloroethane	N.D.	2.	4.	ug/kg	110	108	63-120	2	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	89	89	65-138	0	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	93	93	69-133	1	30

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Methylene Chloride	N.D.	2.	5.	ug/kg	100	100	75-120	1	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	94	77-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	106	105	79-124	1	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	98	96	76-120	3	30
Chloroform	N.D.	1.	5.	ug/kg	98	97	81-117	1	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91	92	74-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	89	88	69-130	1	30
Benzene	N.D.	0.5	5.	ug/kg	104	104	77-119	0	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	95	93	76-126	3	30
Trichloroethene	N.D.	1.	5.	ug/kg	99	98	81-114	1	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	114	113	78-119	0	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	93	94	77-116	1	30
Toluene	N.D.	1.	5.	ug/kg	106	108	81-116	2	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	103	104	74-117	0	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	98	97	73-127	1	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	93	93	73-116	0	30
Chlorobenzene	N.D.	1.	5.	ug/kg	102	101	81-112	1	30
Ethylbenzene	N.D.	1.	5.	ug/kg	105	105	82-115	0	30
Bromoform	N.D.	1.	5.	ug/kg	88	85	64-125	3	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	114	106	64-121	7	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	97	96	77-114	2	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	102	103	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	100	99	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	103	104	82-117	1	30
Acrolein	N.D.	20.	40.	ug/kg	98	86	33-143	13	30
Acrylonitrile	N.D.	4.	20.	ug/kg	103	92	56-129	11	30

Batch number: X052291AA	Sample number(s): 4583576-4583577, 4583579, 4583581, 4583585								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	86	92	75-125	7	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	144	129	51-160	11	30
Chloromethane	N.D.	2.	5.	ug/kg	120	106	62-132	12	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	106	95	66-124	10	30
Bromomethane	N.D.	2.	5.	ug/kg	94	85	59-127	10	30
Chloroethane	N.D.	2.	4.	ug/kg	109	99	63-120	9	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	82	74	65-138	11	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	92	83	69-133	10	30
Methylene Chloride	N.D.	2.	5.	ug/kg	98	94	75-120	4	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	86	77-124	11	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	106	99	79-124	7	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	90	76-120	6	30
Chloroform	N.D.	1.	5.	ug/kg	97	92	81-117	6	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91	82	74-127	10	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	87	78	69-130	10	30
Benzene	N.D.	0.5	5.	ug/kg	104	96	77-119	8	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	89	90	76-126	2	30
Trichloroethene	N.D.	1.	5.	ug/kg	98	89	81-114	9	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	113	108	78-119	5	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	91	89	77-116	3	30
Toluene	N.D.	1.	5.	ug/kg	106	98	81-116	8	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	94	101	74-117	6	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	95	86	73-127	10	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	88	91	73-116	4	30
Chlorobenzene	N.D.	1.	5.	ug/kg	100	93	81-112	7	30
Ethylbenzene	N.D.	1.	5.	ug/kg	105	97	82-115	8	30
Bromoform	N.D.	1.	5.	ug/kg	75	84	64-125	11	30

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	97	111	64-121	13	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	87	94	77-114	8	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	98	99	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	97	95	72-117	2	30
Xylene (Total)	N.D.	1.	5.	ug/kg	102	96	82-117	7	30
Acrolein	N.D.	20.	40.	ug/kg	77	88	33-143	14	30
Acrylonitrile	N.D.	4.	20.	ug/kg	81	101	56-129	22	30

Batch number: X052291AB	Sample number(s): 4583588								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	86	92	75-125	7	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	144	129	51-160	11	30
Chloromethane	N.D.	2.	5.	ug/kg	120	106	62-132	12	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	106	95	66-124	10	30
Bromomethane	N.D.	2.	5.	ug/kg	94	85	59-127	10	30
Chloroethane	N.D.	2.	4.	ug/kg	109	99	63-120	9	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	82	74	65-138	11	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	92	83	69-133	10	30
Methylene Chloride	N.D.	2.	5.	ug/kg	98	94	75-120	4	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	86	77-124	11	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	106	99	79-124	7	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	90	76-120	6	30
Chloroform	N.D.	1.	5.	ug/kg	97	92	81-117	6	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91	82	74-127	10	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	87	78	69-130	10	30
Benzene	N.D.	0.5	5.	ug/kg	104	96	77-119	8	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	89	90	76-126	2	30
Trichloroethene	N.D.	1.	5.	ug/kg	98	89	81-114	9	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	113	108	78-119	5	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	91	89	77-116	3	30
Toluene	N.D.	1.	5.	ug/kg	106	98	81-116	8	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	94	101	74-117	6	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	95	86	73-127	10	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	88	91	73-116	4	30
Chlorobenzene	N.D.	1.	5.	ug/kg	100	93	81-112	7	30
Ethylbenzene	N.D.	1.	5.	ug/kg	105	97	82-115	8	30
Bromoform	N.D.	1.	5.	ug/kg	75	84	64-125	11	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	97	111	64-121	13	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	87	94	77-114	8	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	98	99	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	97	95	72-117	2	30
Xylene (Total)	N.D.	1.	5.	ug/kg	102	96	82-117	7	30
Acrolein	N.D.	20.	40.	ug/kg	77	88	33-143	14	30
Acrylonitrile	N.D.	4.	20.	ug/kg	81	101	56-129	22	30

Batch number: Y052271AA	Sample number(s): 4583589								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	98		77-127		
t-Butyl alcohol	N.D.	10.	80.	ug/l	93		57-141		
Chloromethane	N.D.	1.	5.	ug/l	92		59-177		
Vinyl Chloride	N.D.	1.	5.	ug/l	90		71-134		
Bromomethane	N.D.	1.	5.	ug/l	101		62-131		
Chloroethane	N.D.	1.	5.	ug/l	98		67-127		
Trichlorofluoromethane	N.D.	2.	5.	ug/l	98		70-148		
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	98		79-130		
Methylene Chloride	N.D.	2.	5.	ug/l	100		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	100		81-124		

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1-Dichloroethane	N.D.	1.	5.	ug/l	101		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	101		84-117		
Chloroform	N.D.	0.8	5.	ug/l	101		86-124		
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	101		83-127		
Carbon Tetrachloride	N.D.	1.	5.	ug/l	98		77-130		
Benzene	N.D.	0.5	5.	ug/l	100		85-117		
1,2-Dichloroethane	N.D.	1.	5.	ug/l	102		77-132		
Trichloroethene	N.D.	1.	5.	ug/l	99		87-117		
1,2-Dichloropropane	N.D.	1.	5.	ug/l	103		80-117		
Bromodichloromethane	N.D.	1.	5.	ug/l	101		83-121		
Toluene	N.D.	0.7	5.	ug/l	98		85-115		
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	99		86-113		
Tetrachloroethene	N.D.	0.8	5.	ug/l	97		74-125		
Dibromochloromethane	N.D.	1.	5.	ug/l	103		78-119		
Chlorobenzene	N.D.	0.8	5.	ug/l	104		85-115		
Ethylbenzene	N.D.	0.8	5.	ug/l	96		82-119		
Bromoform	N.D.	1.	5.	ug/l	93		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	95		72-119		
1,2-Dibromoethane	N.D.	1.	5.	ug/l	99		81-114		
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	95		79-114		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	99		78-114		
Xylene (Total)	N.D.	0.8	5.	ug/l	97		83-113		
Acrylonitrile	N.D.	4.	20.	ug/l	92		55-137		
Acrolein	N.D.	40.	100.	ug/l	31		28-146		
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	101		53-133		

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052270020A Sample number(s): 4583574-4583588								
Gamma BHC - Lindane	116	116	43-154	0	35			
Heptachlor	117	114	70-138	2	35			
Aldrin	115	108	58-159	6	35			
p,p-DDT	0*	0*	62-166	0	35			
Dieldrin	0*	0*	68-139	0	35			
Endrin	0*	0*	48-188	0	35			
Methoxychlor	0*	0*	74-162	0	35			
Alpha BHC	111	112	64-134	1	35			
Beta BHC	115	115	31-176	0	35			
Delta BHC	120	112	68-158	7	35			
Heptachlor Epoxide	110	110	69-133	0	35			
p,p-DDE	91	79	48-175	8	35			
p,p-DDD	0*	0*	52-181	0	35			
Endosulfan I	121	99	41-166	20	35			
Endosulfan II	0*	0*	65-144	0	35			
Endosulfan Sulfate	0*	0*	65-154	0	35			
Endrin Aldehyde	0*	0*	63-125	0	35			
Batch number: 05227117101B Sample number(s): 4583589								
Total Cyanide	10*		82-114		0.010	N.D.	88* (1)	20

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	BKG MAX	DUP Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052271848002	Sample number(s): 4583589								
Thallium	105	105	89-112	0	20	N.D.	N.D.	68* (1)	20
Arsenic	135*	134*	86-119	1	20	0.0755	0.0725	4 (1)	20
Selenium	157*	156*	80-120	0	20	N.D.	N.D.	25* (1)	20
Antimony	124*	123*	80-120	0	20	0.0207	0.0215	4 (1)	20
Beryllium	88*	88*	91-117	0	20	N.D.	N.D.	133* (1)	20
Cadmium	104	101	87-117	3	20	N.D.	N.D.	130* (1)	20
Chromium	96	97	86-118	1	20	0.0183	0.0173	5 (1)	20
Copper	130*	128*	89-119	1	20	0.0204	0.0237	15 (1)	20
Lead	93	99	87-118	5	20	0.0087 J	0.0099 J	14 (1)	20
Nickel	97	97	91-111	0	20	0.113	0.113	0	20
Silver	142*	138*	80-120	3	20	N.D.	N.D.	44* (1)	20
Zinc	113	113	80-120	0	20	0.0674	0.0651	3 (1)	20
Batch number: 052275713004	Sample number(s): 4583589								
Mercury	112	107	80-120	4	20	0.00027	0.00028	4 (1)	20
Batch number: 05227820004A	Sample number(s): 4583574-4583578								
Moisture						23.2	22.7	2	15
Batch number: 05227820004B	Sample number(s): 4583579-4583588								
Moisture						18.9	18.4	2	15
Batch number: 05227SLA026	Sample number(s): 4583574-4583588								
1,4-Dioxane	39	31	6-84	24	30				
Phenol	78	75	48-128	4	30				
2-Chlorophenol	86	75	36-140	14	30				
1,4-Dichlorobenzene	74	58	46-115	23	30				
N-Nitroso-di-n-propylamine	83	73	42-132	12	30				
1,2,4-Trichlorobenzene	81	76	62-114	6	30				
4-Chloro-3-methylphenol	81	84	42-147	3	30				
Acenaphthene	95	99	47-137	3	30				
4-Nitrophenol	90	91	30-151	0	30				
2,4-Dinitrotoluene	103	101	66-126	2	30				
Pentachlorophenol	70	75	22-126	7	30				
Pyrene	97	96	25-159	1	30				
1-Methylnaphthalene	84	88	60-128	3	30				
2-Nitrophenol	91	87	53-140	5	30				
2,4-Dimethylphenol	92	88	44-131	5	30				
2,4-Dichlorophenol	88	83	60-123	5	30				
2,4,6-Trichlorophenol	93	101	51-128	9	30				
2,4-Dinitrophenol	110	111	20-152	1	30				
4,6-Dinitro-2-methylphenol	103	97	14-136	6	30				
N-Nitrosodimethylamine	67	60	56-110	11	30				
bis(2-Chloroethyl)ether	79	68	60-110	15	30				
1,3-Dichlorobenzene	73	56	52-112	27	30				
1,2-Dichlorobenzene	72	57	56-108	23	30				
bis(2-Chloroisopropyl)ether	107	90	38-157	17	30				
Hexachloroethane	82	68	30-130	18	30				
Nitrobenzene	83	75	65-113	10	30				
Isophorone	80	76	55-116	5	30				
bis(2-Chloroethoxy)methane	95	91	63-128	4	30				
Naphthalene	80	72	54-121	9	30				

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Analysis Name								Max
Hexachlorobutadiene	86	76	43-132	12	30			
Hexachlorocyclopentadiene	21	18	5-175	15	30			
2-Chloronaphthalene	69	69	51-100	0	30			
Acenaphthylene	105	106	66-137	0	30			
Dimethylphthalate	88	88	70-112	0	30			
2,6-Dinitrotoluene	91	92	66-116	2	30			
Fluorene	82	86	48-130	4	30			
4-Chlorophenyl-phenylether	87	85	50-128	2	30			
Diethylphthalate	89	89	71-112	1	30			
1,2-Diphenylhydrazine	98	101	26-141	2	30			
N-Nitrosodiphenylamine	119	121	59-133	1	30			
4-Bromophenyl-phenylether	106	99	69-119	6	30			
Hexachlorobenzene	88	93	59-130	5	30			
Phenanthrene	89	90	28-155	1	30			
Anthracene	94	97	47-135	3	30			
Di-n-butylphthalate	97	96	67-119	1	30			
Fluoranthene	88	89	32-137	1	30			
Benzidine	61	35	20-173	54*	30			
Butylbenzylphthalate	110	109	55-131	1	30			
Benzo(a)anthracene	103	101	39-144	1	30			
Chrysene	90	87	38-144	3	30			
3,3'-Dichlorobenzidine	89	77	10-133	15	30			
bis(2-Ethylhexyl)phthalate	87	85	54-141	2	30			
Di-n-octylphthalate	117	118	47-144	0	30			
Benzo(b)fluoranthene	93	90	24-155	2	30			
Benzo(k)fluoranthene	93	95	2-176	2	30			
Benzo(a)pyrene	104	104	38-142	0	30			
Indeno(1,2,3-cd)pyrene	101	99	1-186	2	30			
Dibenz(a,h)anthracene	108	104	44-154	3	30			
Benzo(g,h,i)perylene	104	105	32-150	1	30			
Batch number: 052285708001 Sample number(s): 4583574-4583588								
Thallium	98	97	84-105	1	20	N.D.	N.D.	23* (1) 20
Arsenic	101	101	76-110	0	20	2.27	2.82	21* (1) 20
Selenium	101	101	80-120	0	20	N.D.	N.D.	37* (1) 20
Antimony	91	91	80-120	1	20	N.D.	N.D.	273* (1) 20
Beryllium	104	105	89-114	0	20	0.326 J	0.281 J	15 (1) 20
Cadmium	97	98	80-120	1	20	0.169 J	0.150 J	12 (1) 20
Chromium	48*	58*	80-120	2	20	72.6	71.2	2 20
Copper	88	123*	80-120	16	20	28.4	42.8	41* 20
Lead	96	101	80-120	4	20	5.33	8.29	43* (1) 20
Nickel	97	97	80-120	0	20	3.64	3.51	4 (1) 20
Silver	105	107	80-120	2	20	N.D.	0.217 J	139* (1) 20
Zinc	86	105	80-120	6	20	118.	149.	23* 20
Batch number: 052285711001 Sample number(s): 4583574-4583588								
Mercury	130*	76*	80-120	32*	20	0.104	0.0795 J	27* (1) 20
Batch number: 05229102201A Sample number(s): 4583574-4583582								
Total Cyanide	33*		52-135			N.D.	0.19 J	8 (1) 17
Batch number: 05229102201B Sample number(s): 4583583-4583588								
Total Cyanide	-54*		52-135			3.8	0.31 J	170* (1) 17

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Batch number: 05230113201B	Sample number(s): 4583574-4583583							
Phenols	103	109	38-175	6	26			
Batch number: 05231113201A	Sample number(s): 4583584-4583588							
Phenols	94	99	38-175	4	26			
Batch number: X052271AB	Sample number(s): 4583574-4583575, 4583582, 4583586							
Methyl Tertiary Butyl Ether	99		49-140					
t-Butyl alcohol	146		46-148					
Chloromethane	134*		60-132					
Vinyl Chloride	127*		60-126					
Bromomethane	105		52-121					
Chloroethane	125*		60-122					
Trichlorofluoromethane	109		53-142					
1,1-Dichloroethene	100		62-133					
Methylene Chloride	61		59-135					
trans-1,2-Dichloroethene	98		64-125					
1,1-Dichloroethane	114		65-125					
cis-1,2-Dichloroethene	101		63-125					
Chloroform	102		65-126					
1,1,1-Trichloroethane	97		59-134					
Carbon Tetrachloride	95		53-138					
Benzene	110		67-123					
1,2-Dichloroethane	98		62-130					
Trichloroethene	101		62-126					
1,2-Dichloropropane	119		64-120					
Bromodichloromethane	97		65-118					
Toluene	114		55-125					
1,1,2-Trichloroethane	107		62-122					
Tetrachloroethene	102		45-151					
Dibromochloromethane	97		62-120					
Chlorobenzene	103		62-116					
Ethylbenzene	108		50-127					
Bromoform	88		52-123					
1,1,2,2-Tetrachloroethane	133		37-142					
1,2-Dibromoethane	100		62-116					
trans-1,3-Dichloropropene	104		61-121					
cis-1,3-Dichloropropene	101		54-122					
Xylene (Total)	105		54-123					
Acrolein	99		12-136					
Acrylonitrile	105		47-125					
Batch number: X052271AD	Sample number(s): 4583587							
Methyl Tertiary Butyl Ether	99		49-140					
t-Butyl alcohol	146		46-148					
Chloromethane	134*		60-132					
Vinyl Chloride	127*		60-126					
Bromomethane	105		52-121					
Chloroethane	125*		60-122					
Trichlorofluoromethane	109		53-142					
1,1-Dichloroethene	100		62-133					
Methylene Chloride	61		59-135					
trans-1,2-Dichloroethene	98		64-125					
1,1-Dichloroethane	114		65-125					

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
cis-1,2-Dichloroethene	101		63-125					
Chloroform	102		65-126					
1,1,1-Trichloroethane	97		59-134					
Carbon Tetrachloride	95		53-138					
Benzene	110		67-123					
1,2-Dichloroethane	98		62-130					
Trichloroethene	101		62-126					
1,2-Dichloropropane	119		64-120					
Bromodichloromethane	97		65-118					
Toluene	114		55-125					
1,1,2-Trichloroethane	107		62-122					
Tetrachloroethene	102		45-151					
Dibromochloromethane	97		62-120					
Chlorobenzene	103		62-116					
Ethylbenzene	108		50-127					
Bromoform	88		52-123					
1,1,2,2-Tetrachloroethane	133		37-142					
1,2-Dibromoethane	100		62-116					
trans-1,3-Dichloropropene	104		61-121					
cis-1,3-Dichloropropene	101		54-122					
Xylene (Total)	105		54-123					
Acrolein	99		12-136					
Acrylonitrile	105		47-125					
Batch number: X052291AA Sample number(s): 4583576-4583577,4583579,4583581,4583585								
Methyl Tertiary Butyl Ether	97		49-140					
t-Butyl alcohol	131		46-148					
Chloromethane	101		60-132					
Vinyl Chloride	104		60-126					
Bromomethane	101		52-121					
Chloroethane	103		60-122					
Trichlorofluoromethane	108		53-142					
1,1-Dichloroethene	102		62-133					
Methylene Chloride	99		59-135					
trans-1,2-Dichloroethene	102		64-125					
1,1-Dichloroethane	105		65-125					
cis-1,2-Dichloroethene	103		63-125					
Chloroform	105		65-126					
1,1,1-Trichloroethane	107		59-134					
Carbon Tetrachloride	107		53-138					
Benzene	106		67-123					
1,2-Dichloroethane	102		62-130					
Trichloroethene	108		62-126					
1,2-Dichloropropane	105		64-120					
Bromodichloromethane	101		65-118					
Toluene	107		55-125					
1,1,2-Trichloroethane	102		62-122					
Tetrachloroethene	108		45-151					
Dibromochloromethane	102		62-120					
Chlorobenzene	104		62-116					
Ethylbenzene	107		50-127					
Bromoform	99		52-123					
1,1,2,2-Tetrachloroethane	99		37-142					
1,2-Dibromoethane	101		62-116					

\*- Outside of specification

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- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
trans-1,3-Dichloropropene	104		61-121					
cis-1,3-Dichloropropene	102		54-122					
Xylene (Total)	106		54-123					
Acrolein	77		12-136					
Acrylonitrile	89		47-125					
Batch number: X052291AB Sample number(s): 4583588								
Methyl Tertiary Butyl Ether	97		49-140					
t-Butyl alcohol	131		46-148					
Chloromethane	101		60-132					
Vinyl Chloride	104		60-126					
Bromomethane	101		52-121					
Chloroethane	103		60-122					
Trichlorofluoromethane	108		53-142					
1,1-Dichloroethene	102		62-133					
Methylene Chloride	99		59-135					
trans-1,2-Dichloroethene	102		64-125					
1,1-Dichloroethane	105		65-125					
cis-1,2-Dichloroethene	103		63-125					
Chloroform	105		65-126					
1,1,1-Trichloroethane	107		59-134					
Carbon Tetrachloride	107		53-138					
Benzene	106		67-123					
1,2-Dichloroethane	102		62-130					
Trichloroethene	108		62-126					
1,2-Dichloropropane	105		64-120					
Bromodichloromethane	101		65-118					
Toluene	107		55-125					
1,1,2-Trichloroethane	102		62-122					
Tetrachloroethene	108		45-151					
Dibromochloromethane	102		62-120					
Chlorobenzene	104		62-116					
Ethylbenzene	107		50-127					
Bromoform	99		52-123					
1,1,2,2-Tetrachloroethane	99		37-142					
1,2-Dibromoethane	101		62-116					
trans-1,3-Dichloropropene	104		61-121					
cis-1,3-Dichloropropene	102		54-122					
Xylene (Total)	106		54-123					
Acrolein	77		12-136					
Acrylonitrile	89		47-125					
Batch number: Y052271AA Sample number(s): 4583589								
Methyl Tertiary Butyl Ether	99	101	69-134	1	30			
t-Butyl alcohol	91	95	51-147	4	30			
Chloromethane	100	97	72-208	3	30			
Vinyl Chloride	100	99	81-150	1	30			
Bromomethane	103	105	59-143	2	30			
Chloroethane	105	104	63-142	0	30			
Trichlorofluoromethane	113	108	77-177	5	30			
1,1-Dichloroethene	108	107	87-145	1	30			
Methylene Chloride	101	99	79-133	2	30			
trans-1,2-Dichloroethene	106	105	82-133	0	30			
1,1-Dichloroethane	106	108	85-135	2	30			

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
cis-1,2-Dichloroethene	104	107	83-126	3	30			
Chloroform	105	108	82-131	2	30			
1,1,1-Trichloroethane	109	109	81-142	1	30			
Carbon Tetrachloride	109	109	79-155	1	30			
Benzene	106	107	83-128	1	30			
1,2-Dichloroethane	103	104	73-136	1	30			
Trichloroethene	105	108	83-136	2	30			
1,2-Dichloropropane	105	107	83-129	2	30			
Bromodichloromethane	102	102	80-129	0	30			
Toluene	102	102	83-127	0	30			
1,1,2-Trichloroethane	98	99	77-125	1	30			
Tetrachloroethene	98	98	78-133	0	30			
Dibromochloromethane	100	100	73-119	0	30			
Chlorobenzene	100	100	83-120	0	30			
Ethylbenzene	102	102	82-129	0	30			
Bromoform	91	91	64-119	0	30			
1,1,2,2-Tetrachloroethane	93	96	69-121	2	30			
1,2-Dibromoethane	98	97	78-120	0	30			
trans-1,3-Dichloropropene	91	90	75-117	1	30			
cis-1,3-Dichloropropene	99	101	76-117	2	30			
Xylene (Total)	100	101	82-130	1	30			
Acrylonitrile	88	90	54-132	3	30			
Acrolein	0*	0*	21-153	0	30			
2-Chloroethyl Vinyl Ether	0*	0*	1-172	0	30			

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water

Batch number: 052270018A

Tetrachloro-m-xylene      Decachlorobiphenyl

4583589	82	108
Blank	88	98
LCS	92	98
LCSD	77	111

Limits: 45-125      47-155

Analysis Name: Pesticides/PCBs in Solids

Batch number: 052270020A

Tetrachloro-m-xylene      Decachlorobiphenyl

4583574	125	148
4583575	121	104
4583576	132	125
4583577	271*	147
4583578	0*	551*
4583579	312*	446*
4583580	324*	492*
4583581	83	88
4583582	117	211*

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Surrogate Quality Control

4583583	204*	2288*
4583584	157*	355*
4583585	91	276*
4583586	92	117
4583587	116	139
4583588	90	656*
Blank	109	112
LCS	111	116
MS	124	145
MSD	124	148

Limits: 58-149 62-159

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05227SLA026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4583574	76	80	81	63
4583575	81	95	99	87
4583576	67	77	71	72
4583577	64	73	75	68
4583578	74	83	79	81
4583579	78	83	93	82
4583580	80	87	87	87
4583581	74	82	88	74
4583582	72	77	77	65
4583583	77	83	64	97
4583584	83	81	74	132*
4583585	75	78	90	75
4583586	79	88	74	72
4583587	77	84	76	69
4583588	71	80	86	69
Blank	82	97	82	89
LCS	84	93	83	81
MS	80	88	87	81
MSD	77	85	92	83

Limits: 45-120 50-118 46-136 47-128

	2-Fluorobiphenyl	Terphenyl-d14
4583574	69	104
4583575	97	107
4583576	84	97
4583577	83	107
4583578	93	137
4583579	91	112
4583580	97	123
4583581	86	110
4583582	81	117
4583583	94	124
4583584	95	140
4583585	86	109
4583586	84	99
4583587	82	97
4583588	85	107
Blank	99	106
LCS	94	111

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Surrogate Quality Control

MS 91 108  
MSD 93 105

Limits: 55-123 51-158

Analysis Name: TCL SW846 Semivolatiles/Waters

Batch number: 05227WAC026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4583589	60	32	89	88
Blank	63	35	85	86
LCS	63	36	80	88
LCSD	61	36	82	90

Limits: 10-99 10-80 31-148 51-123

2-Fluorobiphenyl Terphenyl-d14

4583589	100	108
Blank	92	103
LCS	98	108
LCSD	98	108

Limits: 64-112 52-151

Analysis Name: 8260 Special Cmpds for Soils

Batch number: R052301AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4583578	71	73	69*	73
4583580	59*	62*	50*	51*
4583583	72	76	68*	71
4583584	67*	79	53*	54*
4583590	94	94	93	86
Blank	96	98	94	88
LCS	84	84	84	84
LCSD	84	83	82	83

Limits: 70-129 70-121 70-130 70-128

Analysis Name: 8260 Special Cmpds for Soils

Batch number: X052271AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4583574	85	81	92	84
4583575	90	85	115	66*
4583582	85	81	93	83
4583586	86	84	93	83
Blank	85	84	90	85
LCS	85	82	91	85
LCSD	84	81	91	85
MS	85	82	94	82

Limits: 70-129 70-121 70-130 70-128

Analysis Name: 8260 Special Cmpds for Soils

Batch number: X052271AD

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
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\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/29/05 at 11:26 AM

Group Number: 955306

### Surrogate Quality Control

4583587	72	82	95	83
Blank	83	80	92	85
LCS	85	82	91	85
LCSD	84	81	91	85
MS	85	82	94	82

Limits:	70-129	70-121	70-130	70-128
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Analysis Name: 8260 Special Cmpds for Soils

Batch number: X052291AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4583576	84	86	96	84
4583577	85	84	100	83
4583579	95	96	118	88
4583581	86	84	101	76
4583585	84	81	96	82
Blank	85	84	90	85
LCS	83	77	92	84
LCSD	84	81	92	85
MS	89	85	93	91

Limits:	70-129	70-121	70-130	70-128
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Analysis Name: 8260 Special Cmpds for Soils

Batch number: X052291AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4583588	84	83	93	83
Blank	83	80	92	85
LCS	83	77	92	84
LCSD	84	81	92	85
MS	89	85	93	91

Limits:	70-129	70-121	70-130	70-128
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Analysis Name: 8260 Special Cmpds for Waters

Batch number: Y052271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4583589	90	89	88	88
Blank	90	87	90	89
LCS	90	89	90	90
MS	90	88	89	90
MSD	91	90	89	89

Limits:	81-120	82-112	85-112	83-113
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\*- Outside of specification

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# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 955306 Sample Nos.: 4583574-90

Acc't No.: 11549 SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u> Acc't #: <u>11549</u>		Analyses Requested														Remarks:												
Project Manager: <u>[Redacted]</u> Quote #: _____																												
Project Name/#: <u>Former Metro Container Investigation</u>																												
Sampler: _____																												
P.O. #: _____																												
Name of state where samples were collected: <u>PA</u>																												
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pests/PCBs	Phenol	Cyanide	Moisture											
05-MET-098	8/12/05	0800	X		X			3	X	X	X	X	X	X	X	X	X		N(10.5'-11')									
05-MET-019	"	0900	X		X			3	X	X	X	X	X	X	X	X	X		N(5.5'-6')									
05-MET-090	"	1020	X		X			3	X	X	X	X	X	X	X	X	X		N(3'-3.5')									
05-MET-090A	"	1030	X		X			3	X	X	X	X	X	X	X	X	X		"									
05-MET-086	"	1120	X		X			3	X	X	X	X	X	X	X	X	X		N(2.5'-3')									
05-MET-081	"	1200	X		X			3	X	X	X	X	X	X	X	X	X		N(2.5'-3')									
05-MET-013	"	1240	X		X			3	X	X	X	X	X	X	X	X	X		N(3'-3.5')									
05-MET-098s	"	0730	X		X			3	X	X	X	X	X	X	X	X	X		N(1.5'-2')									
05-MET-098u	"	0810	X		X			3	X	X	X	X	X	X	X	X	X		N(17'-12.5')									
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush		Relinquished by: <u>[Redacted]</u>		Date: <u>8/12/05</u>		Time: <u>1500</u>		Received by: <u>[Redacted]</u>		Date: <u>8/12/05</u>		Time: <u>1500</u>																
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)		Relinquished by: <u>[Redacted]</u>		Date: <u>8/12/05</u>		Time: <u>18120</u>		Received by: <u>[Redacted]</u>		Date: <u>8/12/05</u>		Time: <u>18120</u>																
Data results are needed: _____		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																
Rush results requested by (please circle): Fax Email		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																
Fax #: _____ Email address: _____		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																
Data Package Options (please circle if required)		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																
QC Summary		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																
Type I (Tier I)		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																
Type II (Tier II)		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																
Type III (NJ Reduced Del.)		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																
Type IV (CLP)		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																
Type VI (Raw Data)		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																
GLP		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																
Other		Relinquished by: <u>[Redacted]</u>		Date: _____		Time: _____		Received by: <u>[Redacted]</u>		Date: _____		Time: _____																

For Lancaster Laboratories use only

 Group No.: 955306 Sample Nos.: 4585374-90

 Acc't No.: 11549 SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u> Acc't #: <u>11549</u>		Matrix: _____		<b>Analyses Requested</b>										Remarks:									
Project Manager: <u>Suzanne Eckel</u> Quote #: _____																							
Project Name/#: <u>Former Metro Container Investigation</u>																							
Sampler: <u>[Redacted]</u>																							
P.O. #: _____																							
Name of state where samples were collected: <u>PA</u>																							
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture						
05-MET-082	8/12/05	740	/		/			1	X														N(2.25-2.75)
05-MET-083		810	/		/			1	X														N(2.5-3.0)
05-MET-084		835	/		/			3	X														N(7.0-7.5)
05-MET-085		950	/		/			4	X														N(7.5-8.0)
05-MET-091		1100	/		/			4	X														N(10.5-11.0)
05-MET-089		145	/		/			4	X														N(5.0-5.5)
TR081205S			X			X		1	X	X													TB
EB081205W		1330	X		X			11	X														EB
EB081205S		1345	X		X			11	X														EB
TR081205W			X		X			2	X	X													TB
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush								Date: <u>8/12/05</u> Time: <u>1453</u>		Received by: <u>[Redacted]</u>		Date: <u>8/12/05</u> Time: <u>15:00</u>											
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)								Relinquished by: <u>[Redacted]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
Date results are needed: <u>[Redacted]</u>								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
Rush results requested by (please circle): Fax Email								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
Fax #: _____ Email address: _____								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
Data Package Options (please circle if required)								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
QC Summary								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
Type I (Tier I)								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
Type II (Tier II)								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
Type III (NJ Reduced Del.)								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
Type IV (CLP)								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
Type VI (Raw Data)								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
GLP								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: _____ Time: _____									
Other								Relinquished by: <u>[Redacted]</u>		Date: _____ Time: _____		Received by: <u>[Redacted]</u>		Date: <u>8/12/05</u> Time: <u>1320</u>									

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

### Organic Qualifiers

<b>A</b>	TIC is a possible aldol-condensation product
<b>B</b>	Analyte was also detected in the blank
<b>C</b>	Pesticide result confirmed by GC/MS
<b>D</b>	Compound quantitated on a diluted sample
<b>E</b>	Concentration exceeds the calibration range of the instrument
<b>N</b>	Presumptive evidence of a compound (TICs only)
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$
<b>U</b>	Compound was not detected
<b>X,Y,Z</b>	Defined in case narrative

### Inorganic Qualifiers

<b>B</b>	Value is $<CRDL$ , but $\geq IDL$
<b>E</b>	Estimated due to interference
<b>M</b>	Duplicate injection precision not met
<b>N</b>	Spike sample not within control limits
<b>S</b>	Method of standard additions (MSA) used for calculation
<b>U</b>	Compound was not detected
<b>W</b>	Post digestion spike out of control limits
<b>*</b>	Duplicate analysis not within control limits
<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 955307. Samples arrived at the laboratory on Friday, August 12, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-082 Grab Water Sample	4583591
05-MET-082 Filtered Grab Water Sample	4583592
05-MET-089 Grab Water Sample	4583593
05-MET-089 Filtered Grab Water Sample	4583594
05-MET-084 Grab Water Sample	4583595
05-MET-084 Filtered Grab Water Sample	4583596
05-MET-090 Grab Water Sample	4583597
05-MET-090 Filtered Grab Water Sample	4583598
05-MET-098 Grab Water Sample	4583599
05-MET-098 Filtered Grab Water Sample	4583600
05-MET-019 Grab Water Sample	4583601
05-MET-019 Filtered Grab Water Sample	4583602
05-MET-086 Grab Water Sample	4583603
05-MET-086 Filtered Grab Water Sample	4583604
EB081205W Equipment Blank Grab Water Sample	4583605
TB081205W Trip Blank Water Sample	4583606

1 COPY TO      Montgomery Watson Harza

Attn: [REDACTED]



Questions? Contact your Client Services Representative

[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Senior Chemist

**Lancaster Laboratories Sample No. WW 4583591**

**05-MET-082 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/12/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-082

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	50.0	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	113.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	916.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	98.0	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	322.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	160.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	653.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	6,540.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	18,500.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	26,600.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	2,350.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	239.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	98,300.	5.3	20.0	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0093	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	8.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	5. J	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	34.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	33.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	3. J	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	20.	61.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	30.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	3. J	3.	15.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	1. J	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	3. J	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	12.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101319

Lancaster Laboratories Sample No. WW 4583591

05-MET-082 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-082

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	1. J	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	24.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	2. J	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	2. J	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	4. J	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	5.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	4. J	1.	5.	ug/l	1
03964	Anthracene	120-12-7	2. J	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	3. J	1.	5.	ug/l	1
03967	Pyrene	129-00-0	3. J	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	20.	61.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	1. J	1.	5.	ug/l	1
03971	Chrysene	218-01-9	2. J	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	9.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	2. J	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	1. J	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101320

Lancaster Laboratories Sample No. WW 4583591

05-MET-082 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-082

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03980	Benzo(g,h,i)perylene	191-24-2	1.	J	1.	5.	ug/l	1
07582	PPL Volatiles							
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.6	J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	53.	J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	6.		1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	5.	ug/l	1
05388	Chloroethane	75-00-3	13.		1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.		2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	50.		1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	25.		0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	5.	ug/l	1
05401	Benzene	71-43-2	14.		0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	11.		1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	5.	ug/l	1
05407	Toluene	108-88-3	330.		4.	25.	ug/l	5
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	4.	J	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	15.		0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	110.		0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	410.		0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.		4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.		40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

\*This limit was used in the evaluation of the final result

AR101321

Lancaster Laboratories Sample No. WW 4583591

05-MET-082 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-082

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
---------	---------------	------------	--------------------	-------------------------------------	-----------------------------------	-------	-----------------

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 14:58	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 14:59	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/20/2005 05:21	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 01:06	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 23:47	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/16/2005 00:34	[REDACTED]	5
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 16:30	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 23:47	[REDACTED]	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	08/16/2005 00:34	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR101322

**Lancaster Laboratories Sample No. WW 4583591****05-MET-082 Grab Water Sample****Former Metro Container Investigation**

Collected: 08/12/2005 08:00

by ■

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-082

01848 WW SW846 ICP Digest (tot SW-846 3005A

rec)

05713 WW SW846 Hg Digest SW-846 7470A

07786 EDB Extraction SW-846 8011

1 08/15/2005 19:30 ■

1

1 08/15/2005 18:30 ■

1

1 08/16/2005 13:00 ■

1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4583591  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP09355.i/05aug15b.b/yg15s52.d  
 Level: (low/med) LOW      Date Received: 08/12/05  
 % Moisture: not dec.      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.68	16	J
2.	!Unknown aromatic	12.68	32	J
3.	!Unknown aromatic	12.73	13	J
4.	!Unknown ketone	12.81	13	J
5.	!Unknown aromatic	12.90	17	J
6.	!Unknown aromatic	13.02	50	J
7.	!Unknown aromatic	13.33	22	J
8.	!Unknown	13.39	78	J
9.	!Unknown aromatic	13.49	12	J
10.	!Unknown aromatic	13.58	17	J
11.	!Unknown	13.94	13	J
12.	!Unknown aromatic	14.06	13	J
13.	!Unknown aromatic	14.09	11	J
14.	!Unknown aromatic	14.40	11	J
15.	!Unknown aromatic	14.84	31	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101324

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4583591  
 Sample wt/vol: 989 (g/mL) mL Lab File ID: oh0532.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/16/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alcohol	1.553	290	J
2.	!Benzene, 1-chloro-2-methyl-	2.985	25	JX
3.	!Benzene, 1-ethyl-2-methyl-	3.059	24	JX
4.	!Benzene, 1,2,4-trimethyl-	3.305	55	JX
5.	!Unknown	3.539	120	J
6.	!Unknown	3.729	27	J
7.106-44-5	!Phenol, 4-methyl-	3.840	88	J
8.	!Unknown Organic Acid	4.178	81	J
9.	!Phenol, 2-(1-methylethyl)-	4.559	56	JX
10.	!Phenol, 4-(1-methylethyl)-	4.707	25	JX
11.	!Unknown Carboxylic Acid	4.953	32	J
12.	!Unknown	5.045	41	J
13.	!Unknown	5.285	61	J
14.	!Unknown	6.097	22	J
15.	!Unknown Carboxylic Acid	6.256	67	J
16.	!Unknown	6.705	22	J
17.	!Unknown	7.511	37	J
18.	!Unknown	8.052	41	J
19.80-05-7	!Phenol, 4,4'-(1-methylethyl)-	8.439	22	J
20.	!Unknown	8.894	35	J
21.	!Unknown	9.066	21	J
22.	!Unknown	9.226	76	J
23.	!Unknown	9.478	38	J
24.	!Unknown	9.940	91	J
25.	!Unknown	11.040	49	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101325





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. WW 4583592

05-MET-082 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

F-082

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	8.1 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	0.97 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	1.8 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	13.8 J	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	6.4 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	11.8 J	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	14.4	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	35.4	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:20	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 15:04	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101326

**Lancaster Laboratories Sample No. WW 4583592**

**05-MET-082 Filtered Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/12/2005 08:00

by ■

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

F-082

**Lancaster Laboratories Sample No. WW 4583593**
**05-MET-089 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-089

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	1.1	J	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.							
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	72.5		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	6.7	J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	5.9		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	9.9		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	250.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	211.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	478.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	126.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	823.		5.3	20.0	ug/l	1
02393	Phenols	n.a.	51.		9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	13.		5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor							
01600	Alpha BHC	319-84-6	N.D.		0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.		0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.		0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.		0.10	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.		0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.		0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.		0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	N.D.		0.20	0.20	ug/l	1
01608	p,p-DDD	72-54-8	N.D.		0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	N.D.		0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.		0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.		0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.		0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.		3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.		0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.		0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.		0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.		0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.		1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.		1.1	5.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101328

Lancaster Laboratories Sample No. WW 4583593

05-MET-089 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-089

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	2.2 J	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	3.2 J	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	2.6 J	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for delta-BHC and 4,4'-DDE. Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	14.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	20.	59.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	15.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101329

Lancaster Laboratories Sample No. WW 4583593

05-MET-089 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-089

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	2. J	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	20.	59.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	1. J	1.	5.	ug/l	1
03971	Chrysene	218-01-9	2. J	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	7.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	1. J	1.	5.	ug/l	1
07582	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR101330

Lancaster Laboratories Sample No. WW 4583593

05-MET-089 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-089

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	74. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	25.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1. J	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	35.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	0.5 J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	2. J	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	0.9 J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR101331

**Lancaster Laboratories Sample No. WW 4583593**
**05-MET-089 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Montgomery Watson Harza

Reported: 08/26/2005 at 16:20

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

W-089

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 14:59	<span style="background-color: black; color: black;">[REDACTED]</span>	10
07022	Thallium	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/16/2005 15:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/18/2005 11:20	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/15/2005 19:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 17:23	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07879	EDB	SW-846 8011	1	08/20/2005 05:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 01:27	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 21:29	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 16:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 21:29	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR101332

**Lancaster Laboratories Sample No. WW 4583593****05-MET-089 Grab Water Sample****Former Metro Container Investigation**

Collected: 08/12/2005 12:00

by

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:20

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-089

07786	EDB Extraction	SW-846 8011
08123	Phenol Distillation (SW-846)	SW-846 9065
08256	Cyanide Water Distillation	SW-846 9012A

1	08/16/2005 13:00		1
1	08/17/2005 14:20		1
1	08/15/2005 09:30		1



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4583593	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP09355.i/05aug15b.b/yg15s46.d	
Level: (low/med) LOW	Date Received: 08/12/05	
% Moisture: not dec.	Date Analyzed: 08/15/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	4.27	25	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101334

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4583593  
 Sample wt/vol: 1018 (g/mL) mL Lab File ID: oh0533.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/16/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alcohol	1.553	51	J
2.	!Unknown Organic Acid	4.234	23	J
3.	!Unknown	4.928	21	J
4.	!Unknown	5.820	21	J
5.	!Unknown	5.851	17	J
6.	!Unknown	5.986	15	J
7.	!Unknown	6.023	17	J
8.	!Unknown	6.146	13	J
9.	!Unknown	6.699	49	J
10.	!Unknown	7.253	38	J
11.	!Unknown	7.388	34	J
12.	!Unknown	7.437	49	J
13.	!Unknown	7.505	99	J
14.	!Unknown	7.578	38	J
15.	!Unknown	7.720	32	J
16.	!Unknown	7.806	28	J
17.	!Unknown	7.923	37	J
18.	!Unknown	8.015	29	J
19.	!Unknown	8.046	35	J
20.	!Unknown	8.113	37	J
21.10544-50-0	!Cyclic octaatomic sulfur	8.181	97	J
22.80-05-7	!Phenol, 4,4'-(1-methylethyl)	8.433	33	J
23.	!Unknown	8.630	15	J
24.	!Unknown	9.153	13	J
25.	!Unknown	9.189	13	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101335



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. WW 4583594

05-MET-089 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:21

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW089

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:00	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 15:14	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101336

**Lancaster Laboratories Sample No. WW 4583594**

**05-MET-089 Filtered Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/12/2005 12:00

by

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:21

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW089

**Lancaster Laboratories Sample No. WW 4583595**

**05-MET-084 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/12/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:21

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-084

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	5.8 J	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	27.5	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	300.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	26.6	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	32.8	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	8.8	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	48.6	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	697.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2,070.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	4,090.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	612.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	4.5 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	13,100.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	84.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	270.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	2.8	2.8	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	5.7	5.7	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101338

Lancaster Laboratories Sample No. WW 4583595

05-MET-084 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:21

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-084

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	N.D.	50.	50.	ug/l	10
01624	PCB-1254	11097-69-1	24. J	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	51.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, 4,4'-DDD and aroclor-1248. Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	0.17	0.0094	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	8.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	3. J	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101339

**Lancaster Laboratories Sample No. WW 4583595**
**05-MET-084 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/12/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:21

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-084

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	1. J	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	7.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	1. J	1.	5.	ug/l	1
07582	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR101340

Lancaster Laboratories Sample No. WW 4583595

05-MET-084 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:21

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-084

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.9 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	31. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	4. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	1. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	6.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	7.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR101341



**Lancaster Laboratories Sample No. WW 4583595**
**05-MET-084 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/12/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Montgomery Watson Harza

Reported: 08/26/2005 at 16:21

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

W-084

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:02	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 15:20	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:21	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:04	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 17:43	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/20/2005 06:21	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 01:48	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 21:52	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:30	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 21:52	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101342

**Lancaster Laboratories Sample No. WW 4583595****05-MET-084 Grab Water Sample****Former Metro Container Investigation**

Collected: 08/12/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:21

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-084

05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/16/2005 13:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4583595  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09355.i/05aug15b.b/yg15s47.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: not dec. Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.17	83	J
2. 74-93-1	Methanethiol	2.73	170	J
3. 75-18-3	Dimethyl sulfide	4.09	8	J
4.	Unknown	4.26	3300	J
5.				
6.				
7.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101344

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4583595  
 Sample wt/vol: 1046 (g/mL) mL Lab File ID: oh0534.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/16/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.624-92-0	Disulfide, dimethyl	1.430	40	J
2.	Unknown Alcohol	1.553	10	J
3.	Unknown	2.672	15	J
4.3658-80-8	Dimethyl trisulfide	3.133	38	J
5.106-44-5	Phenol, 4-methyl-	3.840	10	J
6.	Unknown	4.313	6	J
7.5756-24-1	Dimethyl tetrasulphide	4.707	53	J
8.	Unknown Organic Acid	4.818	9	J
9.	Unknown Carboxylic Acid	4.910	7	J
10.	Quinoxaline, 2-methyl-	5.131	6	JX
11.291-21-4	1,3,5-Trithiane	5.230	9	J
12.	Unknown	5.248	4	J
13.	Unknown	5.894	9	J
14.	Unknown	6.017	6	J
15.	Unknown	6.152	7	J
16.	Unknown	6.170	5	J
17.	Unknown Carboxylic Acid	6.238	5	J
18.	Unknown	6.791	190	J
19.	Unknown	7.019	370	J
20.	Unknown	7.486	390	J
21.10544-50-0	Cyclic octaatomic sulfur	7.923	30000	J
22.	Unknown	8.310	13	J
23.80-05-7	Phenol, 4,4'-(1-methylethyl)-	8.427	10	J
24.	Unknown	9.202	8	J
25.	Unknown	9.780	4	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101345



# Analysis Report

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Page 1 of 2

Lancaster Laboratories Sample No. WW 4583596

05-MET-084 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:22

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WF084

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	5.3 J	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	1.9 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:03	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 15:25	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101346



# ***Analysis Report***

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

**Lancaster Laboratories Sample No. WW 4583596**

**05-MET-084 Filtered Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/12/2005 08:30

by

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:22

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WF084

\*=This limit was used in the evaluation of the final result

AR101347

Lancaster Laboratories Sample No. WW 4583597

05-MET-090 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:22

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-090

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	16.4	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	20.7	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	15.2	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	12.0 J	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	13.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0096	ug/l	1
01601	Beta BHC	319-85-7	0.046	0.012	0.039	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0096	ug/l	1
01603	Delta BHC	319-86-8	0.032	0.0037	0.0096	ug/l	1
01604	Heptachlor	76-44-8	0.0074 J	0.0019	0.0096	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0096	ug/l	1
01607	p,p-DDE	72-55-9	0.013 J	0.0039	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0096	0.029	ug/l	1
01611	Endrin	72-20-8	0.011 J	0.0039	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.067	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.96	ug/l	1
01615	Endosulfan II	33213-65-9	0.029	0.0039	0.019	ug/l	1
01616	Endosulfan I	959-98-8	0.0086 J	0.0019	0.0096	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.096	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.096	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.096	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.096	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101348

Lancaster Laboratories Sample No. WW 4583597

05-MET-090 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:22

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-090

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.48	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.48	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.48	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.096	ug/l	1
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for aroclor-1248, aroclor-1254, and aroclor-1260.							
Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	2. J	0.9	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	0.9	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	0.9	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	0.9	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	0.9	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	9.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	0.9	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	0.9	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	0.9	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	9.	28.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.9	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	0.9	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	0.9	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	0.9	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.9	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	0.9	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.9	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	0.9	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	0.9	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.9	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.9	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101349



Lancaster Laboratories Sample No. WW 4583597

05-MET-090 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:22

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-090

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03947	Naphthalene	91-20-3	N.D.	0.9	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	0.9	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	0.9	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	0.9	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	0.9	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	0.9	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	0.9	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	0.9	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.9	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	0.9	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	0.9	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	0.9	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	0.9	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	0.9	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	0.9	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	0.9	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	0.9	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	0.9	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	0.9	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	0.9	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	0.9	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.9	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	0.9	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	0.9	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101350

Lancaster Laboratories Sample No. WW 4583597

05-MET-090 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:22

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-090

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	12.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	33.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	3. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	7.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR101351

Lancaster Laboratories Sample No. WW 4583597

05-MET-090 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Montgomery Watson Harza

Reported: 08/26/2005 at 16:22

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

W-090

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.							

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:04	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 15:30	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:22	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:45	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 18:04	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/20/2005 06:51	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 02:09	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 22:15	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 16:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:30	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 22:15	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/16/2005 13:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101352



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8

Lancaster Laboratories Sample No. WW 4583597

05-MET-090 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 10:30

by

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:22

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-090

08123	Phenol Distillation (SW-846)	SW-846 9065
08256	Cyanide Water Distillation	SW-846 9012A

1 08/17/2005 14:20

1

1 08/18/2005 15:00

1

\*=This limit was used in the evaluation of the final result

AR101353

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4583597  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP09355.i/05aug15b.b/yg15s48.d  
 Level: (low/med) LOW      Date Received: 08/12/05  
 % Moisture: not dec.      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	4.28	11	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101354

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4583597  
 Sample wt/vol: 1056 (g/mL) mL Lab File ID: oh0535.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/16/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Organic Acid	4.209	6	J
2.	!Unknown	5.586	6	J
3.	!Unknown	5.752	9	J
4.	!Unknown	5.826	7	J
5.719-22-2	!2,5-Cyclohexadiene-1,4-dione!	5.851	22	J
6.	!Unknown	6.017	15	J
7.	!Unknown	6.435	13	J
8.	!Unknown	6.693	29	J
9.	!Unknown	6.736	21	J
10.	!Unknown	7.437	100	J
11.	!Unknown	7.640	21	J
12.	!Unknown	7.923	29	J
13.	!Unknown	7.966	38	J
14.	!Unknown	8.033	33	J
15.	!Unknown	8.126	22	J
16.10544-50-0	!Cyclic octaatomic sulfur	8.156	35	J
17.	!Unknown	8.199	28	J
18.	!Unknown	8.310	11	J
19.	!Unknown	8.365	15	J
20.80-05-7	!Phenol, 4,4'-(1-methylethyl)	8.433	49	J
21.	!Unknown	8.531	6	J
22.	!Unknown	8.691	6	J
23.	!Unknown	10.948	8	J
24.	!Unknown	11.077	7	J
25.	!Unknown	11.298	7	J
26.	!			
27.	!			
28.	!			
29.	!			
30.	!			

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101355



# Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4583598

05-MET-090 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:23

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW090

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.1 J		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	9.1 J		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/16/2005 15:06	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 15:35	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101356

**Lancaster Laboratories Sample No. WW 4583599**
**05-MET-098 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/12/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:23

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-098

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.		3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.							
07022	Thallium	7440-28-0	13.8	J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	181.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	20.2		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	10.1	J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	6.7		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	17.4		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	492.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2,500.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	1,770.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	248.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,840.		5.3	20.0	ug/l	1
02393	Phenols	n.a.	98.		9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.		5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor							
01600	Alpha BHC	319-84-6	N.D.		0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.		1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.		0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.		0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.		0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.		0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.		0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.		2.0	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.		0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.		0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.		3.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.		0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.		7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.		30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.		0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.		0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.		0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.		2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.		10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.		11.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101357



Lancaster Laboratories Sample No. WW 4583599

05-MET-098 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:23

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-098

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	13. J	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	45. J	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	74.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and dieldrin. Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	29. J	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101358

**Lancaster Laboratories Sample No. WW 4583599**
**05-MET-098 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/12/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:23

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-098

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	11. J	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	22. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	30. J	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	29. J	10.	50.	ug/l	1
03971	Chrysene	218-01-9	32. J	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	490.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	34. J	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	52.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	35. J	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	43. J	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	110.	10.	50.	ug/l	1

Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR101359

**Lancaster Laboratories Sample No. WW 4583599**
**05-MET-098 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/12/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:23

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-098

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles			Detection Limit*			
02010	Methyl Tertiary Butyl Ether	1634-04-4	3. J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	20. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	2. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	2. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	1. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR101360

Lancaster Laboratories Sample No. WW 4583599

05-MET-098 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 09:30

by

Account Number: 11549

Submitted: 08/12/2005 18:20

Montgomery Watson Harza

Reported: 08/26/2005 at 16:23

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

W-098

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:11		50
07022	Thallium	SW-846 6010B	1	08/16/2005 15:40		1
07035	Arsenic	SW-846 6010B	1	08/16/2005 15:40		1
07036	Selenium	SW-846 6010B	1	08/16/2005 15:40		1
07044	Antimony	SW-846 6010B	1	08/16/2005 15:40		1
07047	Beryllium	SW-846 6010B	1	08/16/2005 15:40		1
07049	Cadmium	SW-846 6010B	1	08/16/2005 15:40		1
07051	Chromium	SW-846 6010B	1	08/16/2005 15:40		1
07053	Copper	SW-846 6010B	1	08/16/2005 15:40		1
07055	Lead	SW-846 6010B	1	08/16/2005 15:40		1
07061	Nickel	SW-846 6010B	1	08/16/2005 15:40		1
07066	Silver	SW-846 6010B	1	08/16/2005 15:40		1
07072	Zinc	SW-846 6010B	1	08/16/2005 15:40		1
02393	Phenols	SW-846 9066	1	08/18/2005 11:23		1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:11		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 18:24		10
07879	EDB	SW-846 8011	1	08/20/2005 07:21		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 02:30		1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 22:38		1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 16:30		1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:30		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 22:38		n.a.

\*=This limit was used in the evaluation of the final result

AR101361

**Lancaster Laboratories Sample No. WW 4583599****05-MET-098 Grab Water Sample****Former Metro Container Investigation**

Collected: 08/12/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:23

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-098

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/16/2005 13:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4583599  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP09355.i/05aug15b.b/yg15s49.d  
 Level: (low/med) LOW      Date Received: 08/12/05  
 % Moisture: not dec.      Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.17	17	J
2.	Unknown	4.26	4300	J
3.				
4.				
5.				
6.				
7.				
8.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101363

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4583599  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0536.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/16/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 15 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Carboxylic Acid	7.701	120	J
2.	!Unknown	7.824	240	J
3.10544-50-0	!Cyclic octaatomic sulfur	8.169	130	J
4.	!Benzo[e]pyrene	10.333	450	JX
5.	!Unknown	10.616	390	J
6.	!Unknown	10.634	320	J
7.	!Unknown	10.683	310	J
8.	!Unknown	10.831	430	J
9.	!Unknown	10.886	440	J
10.	!Unknown	10.905	500	J
11.	!Unknown	11.016	310	J
12.	!Unknown	11.034	440	J
13.	!Benzo[a]naphthacene	11.089	330	JX
14.	!Benzo[b]triphenylene	11.268	420	JX
15.	!1,2:4,5-Dibenzopyrene	12.737	390	JX
16.				
17.				
18.				
19.				
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26.				
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28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101364



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4583600

05-MET-098 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW098

CAT No.	Analysis Name	CAS Number	As Received Result		As Received	As Received	Units	Dilution Factor
					Method	Limit of		
					Detection Limit*	Quantitation		
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	15.2	J	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.4	J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/16/2005 15:12	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 15:56	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101365



**Lancaster Laboratories Sample No. WW 4583601**
**05-MET-019 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/12/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-019

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	13.9	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	124.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	858.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	119.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	177.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	41.4	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	133.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	2,670.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	4,090.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	14,900.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	1,320.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	11,900.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	340.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.40	2.0	ug/l	20
01601	Beta BHC	319-85-7	N.D.	2.4	8.0	ug/l	20
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.40	2.0	ug/l	20
01603	Delta BHC	319-86-8	N.D.	0.76	2.0	ug/l	20
01604	Heptachlor	76-44-8	N.D.	0.40	2.0	ug/l	20
01605	Aldrin	309-00-2	N.D.	1.0	4.0	ug/l	20
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.40	2.0	ug/l	20
01607	p,p-DDE	72-55-9	N.D.	4.0	4.0	ug/l	20
01608	p,p-DDD	72-54-8	N.D.	4.0	4.0	ug/l	20
01609	p,p-DDT	50-29-3	N.D.	1.2	4.0	ug/l	20
01610	Dieldrin	60-57-1	N.D.	2.0	6.0	ug/l	20
01611	Endrin	72-20-8	N.D.	0.80	4.0	ug/l	20
01612	Chlordane	57-74-9	N.D.	14.	100.	ug/l	20
01613	Toxaphene	8001-35-2	N.D.	60.	200.	ug/l	20
01615	Endosulfan II	33213-65-9	N.D.	0.80	4.0	ug/l	20
01616	Endosulfan I	959-98-8	N.D.	0.40	2.0	ug/l	20
01617	Endosulfan Sulfate	1031-07-8	N.D.	1.2	4.0	ug/l	20
01618	Endrin Aldehyde	7421-93-4	N.D.	4.6	20.	ug/l	20
01619	PCB-1016	12674-11-2	N.D.	20.	100.	ug/l	20
01620	PCB-1221	11104-28-2	N.D.	22.	100.	ug/l	20

\* = This limit was used in the evaluation of the final result

AR101366

**Lancaster Laboratories Sample No. WW 4583601**
**05-MET-019 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/12/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-019

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	20.	100.	ug/l	20
01622	PCB-1242	53469-21-9	N.D.	20.	100.	ug/l	20
01623	PCB-1248	12672-29-6	22. J	20.	100.	ug/l	20
01624	PCB-1254	11097-69-1	61. J	28.	100.	ug/l	20
01626	PCB-1260	11096-82-5	32. J	20.	100.	ug/l	20
01860	Methoxychlor	72-43-5	N.D.	6.0	20.	ug/l	20
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and 4,4'-DDD. Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.19	0.57	ug/l	20
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	12. J	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101367

Lancaster Laboratories Sample No. WW 4583601

05-MET-019 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-019

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	10. J	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	55.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	35. J	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	20. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	96.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	67.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	77.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	77.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	40. J	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	14. J	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	91.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	59.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	70.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	150.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the

\*=This limit was used in the evaluation of the final result

AR101368

Lancaster Laboratories Sample No. WW 4583601

05-MET-019 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-019

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
	normal reporting limits could not be obtained.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.6 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						

\*=This limit was used in the evaluation of the final result

AR101369

Lancaster Laboratories Sample No. WW 4583601

05-MET-019 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-019

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:13	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005 16:01	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/18/2005 11:25	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:12	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 18:45	[REDACTED]	20
07879	EDB	SW-846 8011	1	08/23/2005 15:52	[REDACTED]	20
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 02:51	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 23:01	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 16:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101370

**Lancaster Laboratories Sample No. WW 4583601****05-MET-019 Grab Water Sample****Former Metro Container Investigation**

Collected: 08/12/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-019

00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:30	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 23:01	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/16/2005 13:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4583601  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09355.i/05aug15b.b/yg15s50.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: not dec. Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	13.88	17	J
2.	!Unknown alicyclic	14.02	15	J
3.	!Unknown aromatic	14.39	15	J
4.	!Unknown aromatic	14.40	39	J
5.	!Unknown aromatic	14.60	15	J
6.	!Unknown aromatic	14.65	15	J
7.	!Unknown aromatic	14.70	15	J
8.	!Unknown aromatic	14.71	24	J
9.	!Unknown aromatic	14.99	16	J
10.	!Unknown aromatic	15.08	22	J
11.	!Unknown aromatic	15.21	15	J
12.	!Unknown alkane	15.28	19	J
13.	!Unknown aromatic	15.35	26	J
14.	!Unknown alicyclic	15.45	16	J
15.	!Unknown alkane	15.48	14	J
16.				
17.				
18.				
19.				
20.				
21.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101372

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4583601  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0537.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/16/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.805	350	J
2.	!Unknown Cycloalkane	6.650	120	J
3.	!Unknown Alkane	6.798	140	J
4.	!Unknown	7.615	120	J
5.	!Unknown	7.769	120	J
6.	!Unknown	7.837	130	J
7.	!Unknown	7.953	140	J
8.	!Phenanthrene, 3,6-dimethyl-	7.978	130	JX
9.	!9,10-Dimethylantracene	8.033	240	JX
10.	!Unknown Alkane	8.070	240	J
11.	!Phenanthrene, 2,5-dimethyl-	8.101	180	JX
12.	!Unknown	8.199	140	J
13.	!Unknown	8.378	110	J
14.	!Unknown	8.402	170	J
15.	!Unknown	8.550	110	J
16.	!Unknown	8.630	100	J
17.	!Unknown	8.685	110	J
18.	!Unknown	8.937	110	J
19.	!Unknown	8.968	95	J
20.	!Unknown	9.017	110	J
21.	!Unknown	9.196	120	J
22.	!Unknown	9.454	110	J
23.	!Triphenylene, 2-methyl-	9.632	110	JX
24.	!Unknown	9.663	81	J
25.	!Unknown	10.905	900	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101373





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4583602

05-MET-019 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW019

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.8 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
00259	Mercury	SW-846 7470A	1	08/16/2005	15:15	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/16/2005	16:06	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005	19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005	18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101374

**Lancaster Laboratories Sample No. WW 4583603**

**05-MET-086 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/12/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-086

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	17.7	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	32.7	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	657.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	33.8	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	14.9 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	12.4	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	209.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	845.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	1,430.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	4,620.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	2,500.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	22,600.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	98.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	530.	10.	20.	ug/l	2
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	2.0	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101375

**Lancaster Laboratories Sample No. WW 4583603**
**05-MET-086 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/12/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-086

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	20. J	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	42. J	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	14. J	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
<p>Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.</p> <p>Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE.</p> <p>Despite cleanup methods, we were unable to reach our usual reporting limits.</p>							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	21. J	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101376

Lancaster Laboratories Sample No. WW 4583603

05-MET-086 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-086

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	11. J	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	18. J	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	59.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	17. J	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	33. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	67.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	56.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	71.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	180.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	48. J	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	89.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	33. J	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	45. J	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	110.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR101377

Lancaster Laboratories Sample No. WW 4583603

05-MET-086 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-086

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.6 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	2. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	3. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	1. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	16.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR101378

Lancaster Laboratories Sample No. WW 4583603

05-MET-086 Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 11:00

by

Account Number: 11549

Submitted: 08/12/2005 18:20

Montgomery Watson Harza

Reported: 08/26/2005 at 16:24

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

W-086

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:16		10
07022	Thallium	SW-846 6010B	1	08/16/2005 16:12		1
07035	Arsenic	SW-846 6010B	1	08/16/2005 16:12		1
07036	Selenium	SW-846 6010B	1	08/16/2005 16:12		1
07044	Antimony	SW-846 6010B	1	08/16/2005 16:12		1
07047	Beryllium	SW-846 6010B	1	08/16/2005 16:12		1
07049	Cadmium	SW-846 6010B	1	08/16/2005 16:12		1
07051	Chromium	SW-846 6010B	1	08/16/2005 16:12		1
07053	Copper	SW-846 6010B	1	08/16/2005 16:12		1
07055	Lead	SW-846 6010B	1	08/16/2005 16:12		1
07061	Nickel	SW-846 6010B	1	08/16/2005 16:12		1
07066	Silver	SW-846 6010B	1	08/16/2005 16:12		1
07072	Zinc	SW-846 6010B	1	08/16/2005 16:12		1
02393	Phenols	SW846 9066	1	08/18/2005 11:26		1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:46		2
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 19:06		10
07879	EDB	SW-846 8011	1	08/20/2005 08:20		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 03:12		1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 23:24		1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 16:30		1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:30		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 23:24		n.a.

\*=This limit was used in the evaluation of the final result

AR101379

**Lancaster Laboratories Sample No. WW 4583603****05-MET-086 Grab Water Sample****Former Metro Container Investigation**

Collected: 08/12/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:24

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-086

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/15/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/16/2005 13:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/17/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4583603  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09355.i/05aug15b.b/yg15s51.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: not dec. Date Analyzed: 08/15/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	4.28	15	J
2.	Unknown alicyclic	8.85	18	J
3.	Unknown aromatic	12.29	20	J
4.	Unknown aromatic	12.61	16	J
5.	Unknown aromatic	12.74	12	J
6.	Unknown aromatic	13.02	40	J
7.	Unknown aromatic	13.33	19	J
8.	Unknown aromatic	13.49	23	J
9.	Unknown aromatic	13.78	11	J
10.	Unknown aromatic	13.88	8	J
11.	Unknown aromatic	14.09	8	J
12.	Unknown aromatic	14.39	7	J
13.	Unknown aromatic	14.40	7	J
14.	Unknown	15.34	20	J
15.	Unknown aromatic	15.65	8	J
16.				
17.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101381



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4583603  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0538.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/16/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	7.837	110	J
2.	!Unknown Alkane	8.064	98	J
3.10544-50-0	!Cyclic octaatomic sulfur	8.175	100	J
4.	!Triphenylene, 2-methyl-	9.632	68	JX
5.	!Unknown Alkane	9.656	69	J
6.	!Unknown Alkane	9.706	75	J
7.	!Unknown	9.730	55	J
8.	!Unknown	9.773	56	J
9.	!Unknown	9.816	55	J
10.	!Unknown	9.921	140	J
11.	!Unknown	9.982	120	J
12.	!Perylene	10.339	150	JX
13.	!Unknown	10.511	180	J
14.	!Benz[j]aceanthrylene, 3-meth	10.622	95	JX
15.	!Unknown	10.640	84	J
16.	!Unknown	10.720	93	J
17.	!Unknown Alkane	10.769	180	J
18.	!Unknown	10.831	170	J
19.	!Unknown	10.905	110	J
20.	!Unknown	10.960	180	J
21.	!Unknown	11.015	160	J
22.	!Unknown	11.040	220	J
23.	!Unknown	11.292	90	J
24.	!Unknown	11.686	120	J
25.	!Unknown	12.048	89	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101382



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4583604

05-MET-086 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/12/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/12/2005 18:20

Reported: 08/26/2005 at 16:25

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

FW086

CAT No.	Analysis Name	CAS Number	As Received Result		As Received	As Received	Units	Dilution Factor
					Method	Limit of		
					Detection Limit*	Quantitation		
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	10.	J	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	8.9	J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	7.5	J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/16/2005 15:18	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/18/2005 01:45	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 01:45	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 01:45	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 01:45	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 01:45	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 01:45	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 01:45	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 01:45	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 01:45	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 01:45	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 01:45	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005 00:22	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101383

**Lancaster Laboratories Sample No. WW 4583605**
**EB081205W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/12/2005 13:30

Account Number: 11549

Submitted: 08/12/2005 18:20

Montgomery Watson Harza

Reported: 08/26/2005 at 16:25

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

WEB12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0096	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.011	0.038	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0096	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0036	0.0096	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0096	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0096	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0038	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0057	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0057	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0096	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0038	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.067	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.96	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0038	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0096	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0057	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.096	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.096	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.096	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.096	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101384

**Lancaster Laboratories Sample No. WW 4583605**
**EB081205W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/12/2005 13:30

Account Number: 11549

Submitted: 08/12/2005 18:20

Montgomery Watson Harza

Reported: 08/26/2005 at 16:25

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

WEB12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.096	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.096	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.096	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	0.9	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	0.9	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	0.9	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	0.9	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	0.9	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	9.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	0.9	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	0.9	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	0.9	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	9.	28.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.9	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	0.9	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	0.9	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	0.9	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.9	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	0.9	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.9	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	0.9	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	0.9	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.9	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.9	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	0.9	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	0.9	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	0.9	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	0.9	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101385

**Lancaster Laboratories Sample No. WW 4583605**
**EB081205W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/12/2005 13:30

Account Number: 11549

Submitted: 08/12/2005 18:20

Montgomery Watson Harza

Reported: 08/26/2005 at 16:25

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

WEB12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	0.9	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	0.9	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	0.9	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	0.9	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.9	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	0.9	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	0.9	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	0.9	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	0.9	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	0.9	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	0.9	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	0.9	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	0.9	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	0.9	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	0.9	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	0.9	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	0.9	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.9	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	0.9	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	0.9	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101386

Lancaster Laboratories Sample No. WW 4583605

EB081205W Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/12/2005 13:30

Account Number: 11549

Submitted: 08/12/2005 18:20

Montgomery Watson Harza

Reported: 08/26/2005 at 16:25

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

WEB12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	2. J	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 4583605**
**EB081205W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/12/2005 13:30

Account Number: 11549

Submitted: 08/12/2005 18:20

Montgomery Watson Harza

Reported: 08/26/2005 at 16:25

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

WEB12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/16/2005 15:19		1
07022	Thallium	SW-846 6010B	1	08/18/2005 02:17		1
07035	Arsenic	SW-846 6010B	1	08/18/2005 02:17		1
07036	Selenium	SW-846 6010B	1	08/18/2005 02:17		1
07044	Antimony	SW-846 6010B	1	08/18/2005 02:17		1
07047	Beryllium	SW-846 6010B	1	08/18/2005 02:17		1
07049	Cadmium	SW-846 6010B	1	08/18/2005 02:17		1
07051	Chromium	SW-846 6010B	1	08/18/2005 02:17		1
07053	Copper	SW-846 6010B	1	08/18/2005 02:17		1
07055	Lead	SW-846 6010B	1	08/18/2005 02:17		1
07061	Nickel	SW-846 6010B	1	08/18/2005 02:17		1
07066	Silver	SW-846 6010B	1	08/18/2005 02:17		1
07072	Zinc	SW-846 6010B	1	08/19/2005 00:41		1
02393	Phenols	SW846 9066	1	08/22/2005 12:56		1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:15		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 19:26		1
07879	EDB	SW-846 8011	1	08/23/2005 16:23		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 03:33		1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 10:26		1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 16:30		1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/15/2005 23:30		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 10:26		n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47		1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/15/2005 18:30		1
07786	EDB Extraction	SW-846 8011	1	08/16/2005 13:00		1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/20/2005 03:15		1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00		1

\*=This limit was used in the evaluation of the final result

AR101388

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! WEB12 !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4583605	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP07159.i/05aug23a.b/ng23sb2.d	
% Moisture: not dec.	Date Received: 08/12/05	
Column: (pack/cap) CAP	Date Analyzed: 08/23/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101389



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4583605  
 Sample wt/vol: 1058 (g/mL) mL Lab File ID: oh0539.d  
 Level: (low/med) LOW Date Received: 08/12/05  
 % Moisture: \_\_\_\_\_ Decanted: (Y/N) Date Extracted: 08/16/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101390

Lancaster Laboratories Sample No. WW 4583606

TB081205W Trip Blank Water Sample  
TB  
Former Metro Container Investigation

Collected: 08/12/2005

Account Number: 11549

Submitted: 08/12/2005 18:20  
Reported: 08/26/2005 at 16:26  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WTB45

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101391

Lancaster Laboratories Sample No. WW 4583606

TB081205W Trip Blank Water Sample  
TB  
Former Metro Container Investigation

Collected: 08/12/2005

Account Number: 11549

Submitted: 08/12/2005 18:20  
Reported: 08/26/2005 at 16:26  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WTB45

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/20/2005 09:20		1
07582	PPL Volatiles	SW-846 8260B	1	08/15/2005 21:06		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2005 21:06		n.a.
07786	EDB Extraction	SW-846 8011	1	08/16/2005 13:00		1

\* = This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! WTB45 !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4583606	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09355.i/05aug15b.b/yg15s45.d	
% Moisture: not dec.	Date Received: 08/12/05	
Column: (pack/cap) CAP	Date Analyzed: 08/15/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101393

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:26 PM

Group Number: 955307

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052270018A	Sample number(s): 4583593,4583595,4583597,4583599,4583601,4583603,4583605								
Alpha BHC	N.D.	0.0020	0.010	ug/l	100	100	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	110	110	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	110	110	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	100	100	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	89	74	45-130	18	20
Aldrin	N.D.	0.0050	0.020	ug/l	80	55	47-122	37*	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	100	100	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	110	95	44-154	14	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	119	119	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	105	105	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	100	100	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	95	95	62-135	0	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	100	100	66-131	0	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	100	100	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	100	95	36-158	5	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	120	120	49-155	0	20
Batch number: 052270025A	Sample number(s): 4583591,4583593,4583595,4583597,4583599,4583601,4583603,4583605-4583606								
Ethylene dibromide	N.D.	0.010	0.030	ug/l	96	83	60-140	14	20
Batch number: 05227117101B	Sample number(s): 4583593								
Total Cyanide	N.D.	0.0050	0.010	mg/l	106		90-110		
Batch number: 052271848002	Sample number(s): 4583591-4583603								
Thallium	N.D.	0.0100	0.0200	mg/l	104		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	111		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	104		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	105		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	109		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	111		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	106		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	105		92-110		

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:26 PM

Group Number: 955307

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Lead	N.D.	0.0084	0.0200	mg/l	105		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	107		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	111		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	107		90-112		

Batch number: 052275713004  
Mercury

Sample number(s): 4583591-4583605  
N.D. 0.00006 0.00020 mg/l 107 80-120  
2

Batch number: 05227WAC026

Sample number(s):  
4583591, 4583593, 4583595, 4583597, 4583599, 4583601, 4583603, 4583605

1,4-Dioxane	N.D.	1.	5.	ug/l	57	58	43-73	2	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	89	88	65-107	1	30
2-Chlorophenol	N.D.	1.	5.	ug/l	84	83	63-112	1	30
Phenol	N.D.	1.	5.	ug/l	35	35	29-57	0	30
2-Nitrophenol	N.D.	1.	5.	ug/l	100	103	83-119	3	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	82	82	60-107	0	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	89	89	66-110	0	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	83	82	48-114	1	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	95	95	69-111	1	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	75	77	44-130	3	30
4-Nitrophenol	N.D.	10.	30.	ug/l	35	36	16-75	1	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	91	92	56-130	1	30
Pentachlorophenol	N.D.	3.	15.	ug/l	82	85	48-108	3	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	50	51	39-84	3	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	85	84	57-110	1	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	67	67	52-102	0	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	70	70	54-103	1	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	71	70	58-99	1	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	112	110	68-133	2	30
Hexachloroethane	N.D.	1.	5.	ug/l	62	61	33-106	1	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	79	78	56-109	2	30
Nitrobenzene	N.D.	1.	5.	ug/l	86	87	61-111	1	30
Isophorone	N.D.	1.	5.	ug/l	82	80	63-105	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	101	99	69-119	2	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	81	80	62-101	1	30
Naphthalene	N.D.	1.	5.	ug/l	87	85	70-102	2	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	62	65	33-118	4	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	67	64	14-169	5	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	68	69	56-100	1	30
Acenaphthylene	N.D.	1.	5.	ug/l	104	105	65-120	0	30
Dimethylphthalate	N.D.	2.	5.	ug/l	80	78	46-109	3	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	88	90	70-108	2	30
Acenaphthene	N.D.	1.	5.	ug/l	91	90	68-111	1	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	79	78	75-122	1	30
Fluorene	N.D.	1.	5.	ug/l	82	85	61-116	3	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	86	86	65-110	1	30
Diethylphthalate	N.D.	2.	5.	ug/l	90	90	61-110	0	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	97	99	62-106	1	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	101	102	63-104	0	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	98	104	67-110	5	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	90	91	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	91	93	68-111	2	30
Anthracene	N.D.	1.	5.	ug/l	91	96	68-108	5	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	102	102	63-113	0	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:26 PM

Group Number: 955307

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Fluoranthene	N.D.	1.	5.	ug/l	87	87	66-108	1	30
Pyrene	N.D.	1.	5.	ug/l	101	101	68-114	0	30
Benzidine	N.D.	20.	60.	ug/l	89	89	20-134	1	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	93	93	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	94	95	72-112	2	30
Chrysene	N.D.	1.	5.	ug/l	92	94	70-111	2	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	77	79	39-116	3	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	98	99	62-126	0	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	103	103	58-118	0	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	85	82	67-117	4	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	97	98	67-120	1	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	99	101	68-121	2	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	97	98	67-122	0	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	108	106	71-129	1	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	103	103	67-121	1	30
Batch number: 05229120102A	Sample number(s): 4583593,4583595,4583597,4583599,4583601,4583603								
Phenols	N.D.	0.0090	0.030	mg/l	96	96	83-108	1	20
Batch number: 052291848002	Sample number(s): 4583604-4583605								
Thallium	N.D.	0.0100	0.0200	mg/l	99		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	104		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	100		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	102		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	100		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	102		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	98		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	102		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	102		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	101		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	109		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	100		90-112		
Batch number: 05230117101A	Sample number(s): 4583595,4583597,4583599,4583601,4583603,4583605								
Total Cyanide	N.D.	0.0050	0.010	mg/l	97		90-110		
Batch number: 05232120101A	Sample number(s): 4583605								
Phenols	N.D.	0.0090	0.030	mg/l	96		83-108		
Batch number: N052351AA	Sample number(s): 4583605								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	105	103	77-127	2	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	110	94	57-141	16	30
Chloromethane	N.D.	1.	5.	ug/l	103	99	59-177	3	30
Vinyl Chloride	N.D.	1.	5.	ug/l	108	107	71-134	1	30
Bromomethane	N.D.	1.	5.	ug/l	78	79	62-131	2	30
Chloroethane	N.D.	1.	5.	ug/l	89	86	67-127	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	119	121	70-148	2	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	108	106	79-130	2	30
Methylene Chloride	N.D.	2.	5.	ug/l	102	102	80-128	0	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	103	101	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	110	109	83-127	0	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	103	102	84-117	1	30
Chloroform	N.D.	0.8	5.	ug/l	108	106	86-124	2	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	105	104	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	104	102	77-130	1	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:26 PM

Group Number: 955307

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Benzene	N.D.	0.5	5.	ug/l	108	106	85-117	2	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	115	113	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	105	103	87-117	2	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	112	108	80-117	3	30
Bromodichloromethane	N.D.	1.	5.	ug/l	103	101	83-121	2	30
Toluene	N.D.	0.7	5.	ug/l	107	106	85-115	2	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	108	104	86-113	4	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	96	96	74-125	1	30
Dibromochloromethane	N.D.	1.	5.	ug/l	104	99	78-119	4	30
Chlorobenzene	N.D.	0.8	5.	ug/l	105	102	85-115	2	30
Ethylbenzene	N.D.	0.8	5.	ug/l	109	106	82-119	2	30
Bromoform	N.D.	1.	5.	ug/l	88	85	69-118	4	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	110	104	72-119	6	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	104	101	79-114	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	104	103	78-114	1	30
Xylene (Total)	N.D.	0.8	5.	ug/l	106	104	83-113	3	30
Acrylonitrile	N.D.	4.	20.	ug/l	108	106	55-137	2	30
Acrolein	N.D.	40.	100.	ug/l	96	98	28-146	2	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	103	108	53-133	5	30

Batch number: Y052271AA

Sample number(s):

4583591,4583593,4583595,4583597,4583599,4583601,4583603,4583606

Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	98		77-127		
t-Butyl alcohol	N.D.	10.	80.	ug/l	93		57-141		
Chloromethane	N.D.	1.	5.	ug/l	92		59-177		
Vinyl Chloride	N.D.	1.	5.	ug/l	90		71-134		
Bromomethane	N.D.	1.	5.	ug/l	101		62-131		
Chloroethane	N.D.	1.	5.	ug/l	98		67-127		
Trichlorofluoromethane	N.D.	2.	5.	ug/l	98		70-148		
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	98		79-130		
Methylene Chloride	N.D.	2.	5.	ug/l	100		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	100		81-124		
1,1-Dichloroethane	N.D.	1.	5.	ug/l	101		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	101		84-117		
Chloroform	N.D.	0.8	5.	ug/l	101		86-124		
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	101		83-127		
Carbon Tetrachloride	N.D.	1.	5.	ug/l	98		77-130		
Benzene	N.D.	0.5	5.	ug/l	100		85-117		
1,2-Dichloroethane	N.D.	1.	5.	ug/l	102		77-132		
Trichloroethene	N.D.	1.	5.	ug/l	99		87-117		
1,2-Dichloropropane	N.D.	1.	5.	ug/l	103		80-117		
Bromodichloromethane	N.D.	1.	5.	ug/l	101		83-121		
Toluene	N.D.	0.7	5.	ug/l	98		85-115		
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	99		86-113		
Tetrachloroethene	N.D.	0.8	5.	ug/l	97		74-125		
Dibromochloromethane	N.D.	1.	5.	ug/l	103		78-119		
Chlorobenzene	N.D.	0.8	5.	ug/l	104		85-115		
Ethylbenzene	N.D.	0.8	5.	ug/l	96		82-119		
Bromoform	N.D.	1.	5.	ug/l	93		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	95		72-119		
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	95		79-114		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	99		78-114		
Xylene (Total)	N.D.	0.8	5.	ug/l	97		83-113		
Acrylonitrile	N.D.	4.	20.	ug/l	92		55-137		
Acrolein	N.D.	40.	100.	ug/l	31		28-146		

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:26 PM

Group Number: 955307

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	101		53-133		

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052270025A	Sample number(s): 4583591, 4583593, 4583595, 4583597, 4583599, 4583601, 4583603, 4583605-4583606							
Ethylene dibromide	100		65-135					
Batch number: 05227117101B	Sample number(s): 4583593							
Total Cyanide	10*		82-114		0.010	N.D.	88* (1)	20
Batch number: 052271848002	Sample number(s): 4583591-4583603							
Thallium	105	105	89-112	0	20	N.D.	N.D.	68* (1)
Arsenic	135*	134*	86-119	1	20	0.0755	0.0725	4 (1)
Selenium	157*	156*	80-120	0	20	N.D.	N.D.	25* (1)
Antimony	124*	123*	80-120	0	20	0.0207	0.0215	4 (1)
Beryllium	88*	88*	91-117	0	20	N.D.	N.D.	133* (1)
Cadmium	104	101	87-117	3	20	N.D.	N.D.	130* (1)
Chromium	96	97	86-118	1	20	0.0183	0.0173	5 (1)
Copper	130*	128*	89-119	1	20	0.0204	0.0237	15 (1)
Lead	93	99	87-118	5	20	0.0087 J	0.0099 J	14 (1)
Nickel	97	97	91-111	0	20	0.113	0.113	0
Silver	142*	138*	80-120	3	20	N.D.	N.D.	44* (1)
Zinc	113	113	80-120	0	20	0.0674	0.0651	3 (1)
Batch number: 052275713004	Sample number(s): 4583591-4583605							
Mercury	112	107	80-120	4	20	0.00027	0.00028	4 (1)
Batch number: 052291848002	Sample number(s): 4583604-4583605							
Thallium	101	100	89-112	1	20	N.D.	N.D.	102* (1)
Arsenic	106	103	86-119	3	20	0.010 J	N.D.	31* (1)
Selenium	103	100	80-120	3	20	N.D.	N.D.	49* (1)
Antimony	104	100	80-120	4	20	0.0089 J	0.0071 J	22* (1)
Beryllium	101	102	91-117	1	20	N.D.	N.D.	60* (1)
Cadmium	101	103	87-117	2	20	N.D.	N.D.	19 (1)
Chromium	100	99	86-118	2	20	N.D.	N.D.	52* (1)
Copper	106	103	89-119	2	20	N.D.	N.D.	53* (1)
Lead	105	101	87-118	5	20	N.D.	N.D.	352* (1)
Nickel	102	101	91-111	1	20	N.D.	N.D.	11 (1)
Silver	111	109	80-120	2	20	N.D.	N.D.	42* (1)
Zinc	101	100	80-120	1	20	0.0075 J	N.D.	103* (1)
Batch number: 05230117101A	Sample number(s): 4583595, 4583597, 4583599, 4583601, 4583603, 4583605							
Total Cyanide	94		82-114			0.012	0.016	30* (1)
Batch number: 05232120101A	Sample number(s): 4583605							
Phenols	93	95	80-108	2	5			
Batch number: N052351AA	Sample number(s): 4583605							

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:26 PM

Group Number: 955307

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Methyl Tertiary Butyl Ether	108		69-134					
t-Butyl alcohol	108		51-147					
Chloromethane	153		72-208					
Vinyl Chloride	130		81-150					
Bromomethane	102		59-143					
Chloroethane	107		63-142					
Trichlorofluoromethane	142		77-177					
1,1-Dichloroethene	120		87-145					
Methylene Chloride	105		79-133					
trans-1,2-Dichloroethene	111		82-133					
1,1-Dichloroethane	117		85-135					
cis-1,2-Dichloroethene	111		83-126					
Chloroform	115		82-131					
1,1,1-Trichloroethane	116		81-142					
Carbon Tetrachloride	114		79-155					
Benzene	116		83-128					
1,2-Dichloroethane	118		73-136					
Trichloroethene	112		83-136					
1,2-Dichloropropane	115		83-129					
Bromodichloromethane	106		80-129					
Toluene	114		83-127					
1,1,2-Trichloroethane	108		77-125					
Tetrachloroethene	104		78-133					
Dibromochloromethane	103		73-119					
Chlorobenzene	110		83-120					
Ethylbenzene	114		82-129					
Bromoform	86		64-119					
1,1,2,2-Tetrachloroethane	106		69-121					
trans-1,3-Dichloropropene	105		75-117					
cis-1,3-Dichloropropene	108		76-117					
Xylene (Total)	111		82-130					
Acrylonitrile	108		54-132					
Acrolein	101		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					

Batch number: Y052271AA

Sample number(s):

4583591,4583593,4583595,4583597,4583599,4583601,4583603,4583606

Methyl Tertiary Butyl Ether	99	101	69-134	1	30
t-Butyl alcohol	91	95	51-147	4	30
Chloromethane	100	97	72-208	3	30
Vinyl Chloride	100	99	81-150	1	30
Bromomethane	103	105	59-143	2	30
Chloroethane	105	104	63-142	0	30
Trichlorofluoromethane	113	108	77-177	5	30
1,1-Dichloroethene	108	107	87-145	1	30
Methylene Chloride	101	99	79-133	2	30
trans-1,2-Dichloroethene	106	105	82-133	0	30
1,1-Dichloroethane	106	108	85-135	2	30
cis-1,2-Dichloroethene	104	107	83-126	3	30
Chloroform	105	108	82-131	2	30
1,1,1-Trichloroethane	109	109	81-142	1	30
Carbon Tetrachloride	109	109	79-155	1	30
Benzene	106	107	83-128	1	30
1,2-Dichloroethane	103	104	73-136	1	30

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:26 PM

Group Number: 955307

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Trichloroethene	105	108	83-136	2	30			
1,2-Dichloropropane	105	107	83-129	2	30			
Bromodichloromethane	102	102	80-129	0	30			
Toluene	102	102	83-127	0	30			
1,1,2-Trichloroethane	98	99	77-125	1	30			
Tetrachloroethene	98	98	78-133	0	30			
Dibromochloromethane	100	100	73-119	0	30			
Chlorobenzene	100	100	83-120	0	30			
Ethylbenzene	102	102	82-129	0	30			
Bromoform	91	91	64-119	0	30			
1,1,2,2-Tetrachloroethane	93	96	69-121	2	30			
trans-1,3-Dichloropropene	91	90	75-117	1	30			
cis-1,3-Dichloropropene	99	101	76-117	2	30			
Xylene (Total)	100	101	82-130	1	30			
Acrylonitrile	88	90	54-132	3	30			
Acrolein	0*	0*	21-153	0	30			
2-Chloroethyl Vinyl Ether	0*	0*	1-172	0	30			

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052270018A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4583593	93	91
4583595	99	119
4583597	65	73
4583599	86	71
4583601	94	138
4583603	93	108
4583605	81	107
Blank	88	98
LCS	92	98
LCSD	77	111
Limits:	45-125	47-155

Analysis Name: EDB in Wastewater  
Batch number: 052270025A

	1,1,2,2-Tetrachloroethane
4583591	59
4583593	85
4583595	78
4583597	92
4583599	105
4583601	59
4583603	106
4583605	117
4583606	102

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:26 PM

Group Number: 955307

### Surrogate Quality Control

Blank 110  
LCS 104  
LCSD 90  
MS 114

Limits: 52-120

Analysis Name: TCL SW846 Semivolatiles/Waters

Batch number: 05227WAC026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4583591	65	38	83	84
4583593	61	38	79	87
4583595	65	42	81	89
4583597	63	37	76	91
4583599	53	31	82	88
4583601	59	35	86	87
4583603	53	31	81	88
4583605	61	32	87	87
Blank	63	35	85	86
LCS	63	36	80	88
LCSD	61	36	82	90

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
4583591	89	93
4583593	91	101
4583595	92	96
4583597	94	85
4583599	93	99
4583601	98	104
4583603	96	99
4583605	99	108
Blank	92	103
LCS	98	108
LCSD	98	108

Limits: 64-112 52-151

Analysis Name: PPL + Xylene (total) by 8260

Batch number: N052351AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4583605	102	104	110	106
Blank	101	102	112	109
LCS	102	106	111	110
LCSD	103	106	112	110
MS	103	104	111	110

Limits: 81-120 82-112 85-112 83-113

Analysis Name: PPL + Xylene (total) by 8260

Batch number: Y052271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4583591	90	93	89	90

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:26 PM

Group Number: 955307

### Surrogate Quality Control

4583593	91	89	89	88
4583595	92	90	90	89
4583597	91	89	89	89
4583599	91	90	89	89
4583601	91	88	88	98
4583603	91	89	89	92
4583606	90	88	88	89
Blank	90	87	90	89
LCS	90	89	90	90
MS	90	88	89	90
MSD	91	90	89	89
Limits:	81-120	82-112	85-112	83-113

\*- Outside of specification

\*\*\_This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

AR101403



**For Lancaster Laboratories use only**

Group No.: 955357

Sample Nos.: 454359.1-606

Acc't No.: 11549

SCR No.:

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u> Acc't #: <u>11549</u>		Matrix		Analyses Requested										Remarks:																	
Project Manager: <u>[REDACTED]</u> Quote #: <u>          </u>																															
Project Name/#: <u>Former Metro Container Investigation</u>																															
Sampler: <u>[REDACTED]</u>																															
P.O. #: <u>                    </u>																															
Name of state where samples were collected: <u>PA</u>																															
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture														
05-MET-082	8/12/05	740	/		/			3	X																					N(2.25-2.75)	
05-MET-083		810	/		/			3	X																					N(2.5-3.0)	
05-MET-084		835	/		/			3	X																					N(7.0-7.5)	
05-MET-085		950	/		/			4	X																					N(7.5-8.0)	
05-MET-091		1100	/		/			4	X																					N(10.5-11.0)	
05-MET-089		1145	/		/			4	X																					N(5.0-5.5)	
TR081205S			X				X	1	X	X																					TB
EB081205W		1330	X		X			11	X																						EB
EB081205S		1345	X		X			11	X																						EB
TR081205W			X		X			2	X	X																					TB
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush								Date: <u>8/12/05</u> Time: <u>1453</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>15:00</u>																			
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)								Relinquished by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>																	
Date results are needed: <u>[REDACTED]</u>								Relinquished by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>																	
Rush results requested by (please circle): Fax Email								Relinquished by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>																	
Fax #: <u>                    </u> Email address: <u>                    </u>								Relinquished by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>																	
Data Package Options (please circle if required)								Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>																			
QC Summary								Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>																			
Type I (Tier I)								Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>																			
Type II (Tier II)								Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>																			
Type III (NJ Reduced Del.)								Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>																			
Type IV (CLP)								Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>																			
Type VI (Raw Data)								Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/12/05</u> Time: <u>18:20</u>																			
GLP								Date: <u>8/12/05</u> Time: <u>18:20</u>		Received by: <u>[REDACTED]</u>		Date: <																			

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-230

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the clinician.

AR101404

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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REVISED

**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 955435. Samples arrived at the laboratory on Monday, August 15, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-METS-01 Grab Soil Sample	4584252
05-METS-02 Grab Soil Sample	4584253
05-METS-03 Grab Soil Sample	4584254
05-METS-04 Grab Soil Sample	4584255
05-METS-05 Grab Soil Sample	4584256
05-METS-06 Grab Soil Sample	4584257
05-MET-061 Grab Soil Sample	4584258
05-MET-062 Grab Soil Sample	4584259
05-MET-063 Grab Soil Sample	4584260
05-MET-064S Grab Soil Sample	4584261
05-MET-065 Grab Soil Sample	4584262
05-MET-065A Grab Soil Sample	4584263
05-MET-065B Grab Soil Sample	4584264
05-MET-065V Grab Soil Sample	4584265
05-MET-007 Grab Soil Sample	4584266
05-MET-014 Grab Soil Sample	4584267
05-MET-015 Grab Soil Sample	4584268
05-MET-009 Grab Soil Sample	4584269
05-MET-022 Grab Soil Sample	4584270
05-MET-023 Grab Soil Sample	4584271
05-MET-024 Grab Soil Sample	4584272
05-MET-021 Grab Soil Sample	4584273
05-MET-021A Grab Soil Sample	4584274
05-MET-021S Grab Soil Sample	4584275
EB081505S Grab Water Sample	4584276

TB081505S Methanol Sample

4584277

REVISED

1 COPY TO      Montgomery Watson Harza

Attn: [REDACTED]

Questions? Contact your Client Services Representative  
[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]  
Senior Specialist

Lancaster Laboratories Sample No. SW 4584252

05-METS-01 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:05

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:30  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0785 J	0.0039	0.145	mg/kg	1
06925	Thallium	7440-28-0	1.85 J	1.45	3.03	mg/kg	1
06935	Arsenic	7440-38-2	6.15	1.01	3.03	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.45	3.03	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.24	3.03	mg/kg	1
06947	Beryllium	7440-41-7	1.39	0.0651	0.757	mg/kg	1
06949	Cadmium	7440-43-9	0.335 J	0.130	0.757	mg/kg	1
06951	Chromium	7440-47-3	38.4	0.802	2.27	mg/kg	1
06953	Copper	7440-50-8	21.1	0.454	1.51	mg/kg	1
06955	Lead	7439-92-1	52.5	1.18	3.03	mg/kg	1
06961	Nickel	7440-02-0	29.1	0.500	1.51	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.288	0.757	mg/kg	1
06972	Zinc	7440-66-6	185.	0.696	3.03	mg/kg	1
00111	Moisture	n.a.	34.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.27	0.75	mg/kg	1
05912	Phenols	n.a.	N.D.	1.8	5.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00260	0.0127	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00260	0.0127	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00260	0.0127	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00505	0.0260	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00505	0.0260	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00505	0.0260	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0260	0.127	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00260	0.0127	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00260	0.0127	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00321	0.0127	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00260	0.0127	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00505	0.0260	mg/kg	10
01986	p,p-DDD	72-54-8	0.0138 J	0.00505	0.0260	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0612	0.260	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.168	0.505	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00260	0.0127	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00505	0.0260	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00505	0.0260	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00505	0.0260	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101408

Lancaster Laboratories Sample No. SW 4584252

05-METS-01 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:05

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:30  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.113	0.260	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0505	0.260	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0734	0.260	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0459	0.260	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.168	0.505	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0505	0.260	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.168	0.505	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.15	0.76	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.051	0.25	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.051	0.25	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.051	0.25	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.051	0.25	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.051	0.25	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.10	0.25	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.051	0.25	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.25	0.76	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.10	0.25	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.25	0.76	mg/kg	1
01195	Pyrene	129-00-0	0.27	0.051	0.25	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.051	0.25	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.051	0.25	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.15	0.25	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.051	0.25	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.051	0.25	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	1.0	3.1	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.25	0.76	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.10	0.25	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.051	0.25	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.051	0.25	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.051	0.25	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.051	0.25	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.051	0.25	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.051	0.25	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.051	0.25	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101409

Lancaster Laboratories Sample No. SW 4584252

05-METS-01 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:05

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:30  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.051	0.051	0.25	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.051	0.051	0.25	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.10	0.10	0.25	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.25	0.25	0.76	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.051	0.051	0.25	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.051	0.051	0.25	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.10	0.10	0.25	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.051	0.051	0.25	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.051	0.051	0.25	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.051	0.051	0.25	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.10	0.10	0.25	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.051	0.051	0.25	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.051	0.051	0.25	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.								
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.051	0.051	0.25	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.051	0.051	0.25	mg/kg	1
03775	Phenanthrene	85-01-8	0.11 J	0.051	0.051	0.25	mg/kg	1
03776	Anthracene	120-12-7	0.11 J	0.051	0.051	0.25	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.10	0.10	0.25	mg/kg	1
03778	Fluoranthene	206-44-0	0.22 J	0.051	0.051	0.25	mg/kg	1
03779	Benzidine	92-87-5	N.D.	1.0	1.0	3.1	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.10	0.10	0.25	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.19 J	0.051	0.051	0.25	mg/kg	1
03782	Chrysene	218-01-9	0.15 J	0.051	0.051	0.25	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.15	0.15	0.51	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.10	0.10	0.51	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.10	0.10	0.25	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.16 J	0.051	0.051	0.25	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.069 J	0.051	0.051	0.25	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.13 J	0.051	0.051	0.25	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.14 J	0.051	0.051	0.25	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.079 J	0.051	0.051	0.25	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.39	0.051	0.051	0.25	mg/kg	1

Matrix QC was performed on this sample for the GCMS semivolatile analysis. Please see the attached QC summary report for compounds showing a matrix bias.

06373 Add'l Volatile Compounds

Lancaster Laboratories Sample No. SW 4584252

05-METS-01 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:05

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:30  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	0.97
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	0.97
02020	t-Butyl alcohol	75-65-0	N.D.	0.030	0.15	mg/kg	0.97
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	0.97
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	0.97
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	0.97
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	0.97
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	0.97
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	0.97
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	0.97
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	0.97
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	0.97
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	0.97
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	0.97
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	0.97
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	0.97
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	0.97
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	0.97
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	0.97
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	0.97
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	0.97
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	0.97
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	0.97
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	0.97
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	0.97
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	0.97
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	0.97
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	0.97
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	0.97
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	0.97
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	0.97
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	0.97
07586	Acrolein	107-02-8	N.D.	0.030	0.15	mg/kg	0.97
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.030	mg/kg	0.97

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4584252

05-METS-01 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:05

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Montgomery Watson Harza

Reported: 09/28/2005 at 13:30

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

MET-1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:19	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 07:34	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:04	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 17:25	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 19:00	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 05:47	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 15:01	[REDACTED]	0.97
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 15:01	[REDACTED]	0.97
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101412

Lancaster Laboratories Sample No. SW 4584252

05-METS-01 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:05

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:30

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MET-1

05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:16	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:00	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:00	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584252  
Sample wt/vol: 5.18 (g/mL) g Lab File ID: HP09193.i/05aug18a.b/xg18s02.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. 35 Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	0.12	J
2. 67-64-1	Acetone	3.60	0.002	J
3. 75-15-0	Carbon disulfide	3.87	1.7	J
4.	Unknown siloxane	10.24	0.011	J
5.	Unknown siloxane	12.26	0.019	J
6.	Unknown siloxane	13.57	0.004	J
7.				
8.				
9.				
10.				
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29.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101414

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584252  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh194.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 35 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	5.957	.27	JA
2.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.944	.15	JAB
3.	!Unknown	20.799	.81	J
4.	!Unknown	20.869	.25	J
5.	!Unknown	21.142	.51	J
6.	!Unknown	21.395	.82	J
7.	!Unknown	22.997	.28	J
8.	!Unknown Alkane	23.211	.37	J
9.	!Unknown Alkane	23.414	.29	J
10.	!Unknown	23.506	.49	J
11.	!Unknown	23.618	.30	J
12.	!Unknown	23.730	.35	J
13.	!Unknown	23.862	1.0	J
14.	!Unknown	23.964	.47	J
15.	!Unknown	24.076	.39	J
16.	!Unknown	24.157	.24	J
17.	!Unknown Alkane	24.575	.25	J
18.	!Unknown	24.738	.29	J
19.	!Unknown	25.513	.34	J
20.	!Unknown	25.911	.24	J
21.	!Unknown Alkane	27.717	.38	J
22.	!Benzo[e]pyrene	28.480	.33	JX
23.	!Unknown	29.964	.28	J
24.	!Unknown Alkane	31.110	.29	J
25.	!Unknown	37.695	.58	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101415

Lancaster Laboratories Sample No. SW 4584253

05-METS-02 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 13:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.528	0.0042	0.156	mg/kg	1
06925	Thallium	7440-28-0	2.46 J	1.55	3.22	mg/kg	1
06935	Arsenic	7440-38-2	7.87	1.08	3.22	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.55	3.22	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.32	3.22	mg/kg	1
06947	Beryllium	7440-41-7	1.18	0.0692	0.805	mg/kg	1
06949	Cadmium	7440-43-9	2.82	0.138	0.805	mg/kg	1
06951	Chromium	7440-47-3	88.6	0.853	2.41	mg/kg	1
06953	Copper	7440-50-8	101.	0.483	1.61	mg/kg	1
06955	Lead	7439-92-1	274.	1.26	3.22	mg/kg	1
06961	Nickel	7440-02-0	52.6	0.531	1.61	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.306	0.805	mg/kg	1
06972	Zinc	7440-66-6	530.	0.741	3.22	mg/kg	1
00111	Moisture	n.a.	38.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.29	0.79	mg/kg	1
05912	Phenols	n.a.	N.D.	1.9	5.7	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00553	0.0270	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00553	0.0270	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00553	0.0270	mg/kg	20
01221	p,p-DDT	50-29-3	0.586	0.0215	0.111	mg/kg	40
01222	Dieldrin	60-57-1	N.D.	0.0959	0.0959	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0107	0.0553	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0553	0.270	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00553	0.0270	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00553	0.0270	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00683	0.0270	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0270	0.0270	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0780	0.0780	mg/kg	20
01986	p,p-DDD	72-54-8	0.328	0.0107	0.0553	mg/kg	20
01987	Chlordane	57-74-9	0.342 J	0.130	0.553	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.358	1.07	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00553	0.0270	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0107	0.0553	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0107	0.0553	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0553	0.0553	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101416

Lancaster Laboratories Sample No. SW 4584253

05-METS-02 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 13:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.241	0.553	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.107	0.553	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.156	0.553	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0976	0.553	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.358	1.07	mg/kg	20
01998	PCB-1254	11097-69-1	1.30	0.107	0.553	mg/kg	20
01999	PCB-1260	11096-82-5	0.570 J	0.358	1.07	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for heptachlor epoxide, 4,4'-DDE, dieldrin and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.16	0.81	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.054	0.27	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.054	0.27	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.054	0.27	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.054	0.27	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.054	0.27	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.11	0.27	mg/kg	1
01191	Acenaphthene	83-32-9	0.062 J	0.054	0.27	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.27	0.81	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.11	0.27	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.27	0.81	mg/kg	1
01195	Pyrene	129-00-0	1.9	0.054	0.27	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.065 J	0.054	0.27	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.054	0.27	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.16	0.27	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.054	0.27	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.054	0.27	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	1.1	3.3	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.27	0.81	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.11	0.27	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.054	0.27	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.054	0.27	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.054	0.27	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.054	0.27	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101417

Lancaster Laboratories Sample No. SW 4584253

05-METS-02 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 13:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.054	0.27	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.054	0.27	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.054	0.27	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.054	0.27	mg/kg	1
03761	Naphthalene	91-20-3	0.059 J	0.054	0.27	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.11	0.27	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.27	0.81	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.054	0.27	mg/kg	1
03765	Acenaphthylene	208-96-8	0.14 J	0.054	0.27	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.11	0.27	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.054	0.27	mg/kg	1
03768	Fluorene	86-73-7	0.070 J	0.054	0.27	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.054	0.27	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.11	0.27	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.054	0.27	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.054	0.27	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.054	0.27	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.054	0.27	mg/kg	1
03775	Phenanthrene	85-01-8	0.78	0.054	0.27	mg/kg	1
03776	Anthracene	120-12-7	0.23 J	0.054	0.27	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.11	0.27	mg/kg	1
03778	Fluoranthene	206-44-0	1.6	0.054	0.27	mg/kg	1
03779	Benzidine	92-87-5	N.D.	1.1	3.3	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	0.38	0.11	0.27	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.1	0.054	0.27	mg/kg	1
03782	Chrysene	218-01-9	1.5	0.054	0.27	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.16	0.54	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	1.1	0.11	0.54	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.11	0.27	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	1.7	0.054	0.27	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.60	0.054	0.27	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.3	0.054	0.27	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.86	0.054	0.27	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.34	0.054	0.27	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	1.0	0.054	0.27	mg/kg	1
06373	Add'l Volatile Compounds						

\*=This limit was used in the evaluation of the final result

AR101418

Lancaster Laboratories Sample No. SW 4584253

05-METS-02 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 13:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.009	mg/kg	1.05
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0009	0.009	mg/kg	1.05
02020	t-Butyl alcohol	75-65-0	N.D.	0.034	0.17	mg/kg	1.05
05444	Chloromethane	74-87-3	N.D.	0.003	0.009	mg/kg	1.05
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.009	mg/kg	1.05
05446	Bromomethane	74-83-9	N.D.	0.003	0.009	mg/kg	1.05
05447	Chloroethane	75-00-3	N.D.	0.003	0.009	mg/kg	1.05
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.009	mg/kg	1.05
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.009	mg/kg	1.05
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.009	mg/kg	1.05
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.009	mg/kg	1.05
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.009	mg/kg	1.05
05454	cis-1,2-Dichloroethene	156-59-2	0.003 J	0.002	0.009	mg/kg	1.05
05455	Chloroform	67-66-3	N.D.	0.002	0.009	mg/kg	1.05
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.009	mg/kg	1.05
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.009	mg/kg	1.05
05460	Benzene	71-43-2	0.001 J	0.0009	0.009	mg/kg	1.05
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.009	mg/kg	1.05
05462	Trichloroethene	79-01-6	N.D.	0.002	0.009	mg/kg	1.05
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.009	mg/kg	1.05
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.009	mg/kg	1.05
05466	Toluene	108-88-3	N.D.	0.002	0.009	mg/kg	1.05
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.009	mg/kg	1.05
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.009	mg/kg	1.05
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.009	mg/kg	1.05
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.009	mg/kg	1.05
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.009	mg/kg	1.05
05478	Bromoform	75-25-2	N.D.	0.002	0.009	mg/kg	1.05
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.009	mg/kg	1.05
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.009	mg/kg	1.05
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.009	mg/kg	1.05
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.009	mg/kg	1.05
07586	Acrolein	107-02-8	N.D.	0.034	0.17	mg/kg	1.05
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.034	mg/kg	1.05

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4584253

05-METS-02 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 13:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Montgomery Watson Harza

Reported: 09/28/2005 at 13:31

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

MET-2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:21	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 07:39	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:05	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 16:59	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 20:01	[REDACTED]	20
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 20:22	[REDACTED]	40
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 08:04	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 17:04	[REDACTED]	1.05
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 17:04	[REDACTED]	1.05
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101420

Lancaster Laboratories Sample No. SW 4584253

05-METS-02 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 13:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:31

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MET-2

05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:19	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:01	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:01	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584253  
Sample wt/vol: 4.75 (g/mL) g Lab File ID: HP09193.i/05aug18a.b/xg18s07.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. 38 Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.87	0.062	J B
2.	Unknown siloxane	12.26	0.011	J B
3.				
4.				
5.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584253  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh197.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 38 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	5.741	.53	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	6.956	.15	JAB
3.	!Unknown	21.146	.43	J
4.	!Pyrene, 4-methyl-	22.993	.40	JX
5.	!Unknown	23.186	.34	J
6.	!Unknown	23.370	.54	J
7.	!Unknown	23.543	.79	J
8.	!Unknown	23.675	.33	J
9.	!Unknown	23.838	.78	J
10.	!Unknown	23.971	.57	J
11.	!Unknown	24.787	.35	J
12.	!Chrysene, 1-methyl-	25.297	.99	JX
13.	!Benz[a]anthracene, 1-methyl-	25.440	.90	JX
14.	!Unknown	25.685	.38	J
15.	!Unknown	25.757	.33	J
16.	!Benz[a]anthracene, 7,12-dime	26.655	.32	JX
17.	!Unknown	27.677	.47	J
18.	!Unknown	27.728	.71	J
19.	!Unknown	27.809	.34	J
20.	!Perylene	28.534	1.2	JX
21.	!Unknown	29.096	.40	J
22.	!Unknown	29.810	.75	J
23.	!Unknown	29.871	.35	J
24.	!Unknown	36.066	.68	J
25.	!Unknown	36.198	.69	J
26.	_____	_____	_____	_____
27.	_____	_____	_____	_____
28.	_____	_____	_____	_____
29.	_____	_____	_____	_____
30.	_____	_____	_____	_____

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101423

Lancaster Laboratories Sample No. SW 4584254

05-METS-03 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.327	0.0059	0.221	mg/kg	1
06925	Thallium	7440-28-0	N.D.	2.10	4.38	mg/kg	1
06935	Arsenic	7440-38-2	7.75	1.47	4.38	mg/kg	1
06936	Selenium	7782-49-2	N.D.	2.10	4.38	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.80	4.38	mg/kg	1
06947	Beryllium	7440-41-7	0.984 J	0.0942	1.10	mg/kg	1
06949	Cadmium	7440-43-9	1.68	0.188	1.10	mg/kg	1
06951	Chromium	7440-47-3	69.1	1.16	3.29	mg/kg	1
06953	Copper	7440-50-8	111.	0.657	2.19	mg/kg	1
06955	Lead	7439-92-1	374.	1.71	4.38	mg/kg	1
06961	Nickel	7440-02-0	46.3	0.723	2.19	mg/kg	1
06966	Silver	7440-22-4	0.747 J	0.416	1.10	mg/kg	1
06972	Zinc	7440-66-6	443.	1.01	4.38	mg/kg	1
00111	Moisture	n.a.	55.7	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.39	1.1	mg/kg	1
05912	Phenols	n.a.	N.D.	2.7	7.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00767	0.0375	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00767	0.0375	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00767	0.0375	mg/kg	20
01221	p,p-DDT	50-29-3	0.738	0.0298	0.153	mg/kg	40
01222	Dieldrin	60-57-1	N.D.	0.0767	0.0767	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0149	0.0767	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0767	0.375	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00767	0.0375	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00767	0.0375	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00948	0.0375	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00767	0.0375	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0767	0.0767	mg/kg	20
01986	p,p-DDD	72-54-8	0.375	0.0149	0.0767	mg/kg	20
01987	Chlordane	57-74-9	0.320 J	0.181	0.767	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.497	1.49	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00767	0.0375	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0149	0.0767	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0149	0.0767	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0767	0.0767	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101424

Lancaster Laboratories Sample No. SW 4584254

05-METS-03 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.334	0.767	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.149	0.767	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.217	0.767	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.135	0.767	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.497	1.49	mg/kg	20
01998	PCB-1254	11097-69-1	0.598 J	0.149	0.767	mg/kg	20
01999	PCB-1260	11096-82-5	0.944 J	0.497	1.49	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.23	1.1	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.075	0.38	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.075	0.38	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.075	0.38	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.075	0.38	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.075	0.38	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.15	0.38	mg/kg	1
01191	Acenaphthene	83-32-9	0.13 J	0.075	0.38	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.38	1.1	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.15	0.38	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.38	1.1	mg/kg	1
01195	Pyrene	129-00-0	3.0	0.075	0.38	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.075	0.38	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.075	0.38	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.23	0.38	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.075	0.38	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.075	0.38	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	1.5	4.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.38	1.1	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.15	0.38	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.075	0.38	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.075	0.38	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.075	0.38	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.075	0.38	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101425

Lancaster Laboratories Sample No. SW 4584254

05-METS-03 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.075	0.38	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.075	0.38	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.075	0.38	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.075	0.38	mg/kg	1
03761	Naphthalene	91-20-3	0.16 J	0.075	0.38	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.15	0.38	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.38	1.1	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.075	0.38	mg/kg	1
03765	Acenaphthylene	208-96-8	0.12 J	0.075	0.38	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.15	0.38	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.075	0.38	mg/kg	1
03768	Fluorene	86-73-7	0.16 J	0.075	0.38	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.075	0.38	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.15	0.38	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.075	0.38	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.075	0.38	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.075	0.38	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.075	0.38	mg/kg	1
03775	Phenanthrene	85-01-8	1.2	0.075	0.38	mg/kg	1
03776	Anthracene	120-12-7	0.36 J	0.075	0.38	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.15	0.38	mg/kg	1
03778	Fluoranthene	206-44-0	2.6	0.075	0.38	mg/kg	1
03779	Benzidine	92-87-5	N.D.	1.5	4.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	0.39	0.15	0.38	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.3	0.075	0.38	mg/kg	1
03782	Chrysene	218-01-9	1.9	0.075	0.38	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.23	0.75	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	3.0	0.15	0.75	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.15	0.38	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	2.7	0.075	0.38	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.85	0.075	0.38	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.7	0.075	0.38	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.3	0.075	0.38	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.38	0.075	0.38	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	1.3	0.075	0.38	mg/kg	1
06373	Add'l Volatile Compounds						

\*=This limit was used in the evaluation of the final result

AR101426

Lancaster Laboratories Sample No. SW 4584254

05-METS-03 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.003	0.014	mg/kg	1.21
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.014	mg/kg	1.21
02020	t-Butyl alcohol	75-65-0	N.D.	0.055	0.27	mg/kg	1.21
05444	Chloromethane	74-87-3	N.D.	0.005	0.014	mg/kg	1.21
05445	Vinyl Chloride	75-01-4	N.D.	0.003	0.014	mg/kg	1.21
05446	Bromomethane	74-83-9	N.D.	0.005	0.014	mg/kg	1.21
05447	Chloroethane	75-00-3	N.D.	0.005	0.014	mg/kg	1.21
05448	Trichlorofluoromethane	75-69-4	N.D.	0.005	0.014	mg/kg	1.21
05449	1,1-Dichloroethene	75-35-4	N.D.	0.003	0.014	mg/kg	1.21
05450	Methylene Chloride	75-09-2	N.D.	0.005	0.014	mg/kg	1.21
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.003	0.014	mg/kg	1.21
05452	1,1-Dichloroethane	75-34-3	N.D.	0.003	0.014	mg/kg	1.21
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.003	0.014	mg/kg	1.21
05455	Chloroform	67-66-3	N.D.	0.003	0.014	mg/kg	1.21
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.003	0.014	mg/kg	1.21
05458	Carbon Tetrachloride	56-23-5	N.D.	0.003	0.014	mg/kg	1.21
05460	Benzene	71-43-2	0.003 J	0.001	0.014	mg/kg	1.21
05461	1,2-Dichloroethane	107-06-2	N.D.	0.003	0.014	mg/kg	1.21
05462	Trichloroethene	79-01-6	N.D.	0.003	0.014	mg/kg	1.21
05463	1,2-Dichloropropane	78-87-5	N.D.	0.003	0.014	mg/kg	1.21
05465	Bromodichloromethane	75-27-4	N.D.	0.003	0.014	mg/kg	1.21
05466	Toluene	108-88-3	0.006 J	0.003	0.014	mg/kg	1.21
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.003	0.014	mg/kg	1.21
05468	Tetrachloroethene	127-18-4	N.D.	0.003	0.014	mg/kg	1.21
05470	Dibromochloromethane	124-48-1	N.D.	0.003	0.014	mg/kg	1.21
05472	Chlorobenzene	108-90-7	N.D.	0.003	0.014	mg/kg	1.21
05474	Ethylbenzene	100-41-4	0.003 J	0.003	0.014	mg/kg	1.21
05478	Bromoform	75-25-2	N.D.	0.003	0.014	mg/kg	1.21
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.003	0.014	mg/kg	1.21
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.003	0.014	mg/kg	1.21
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.003	0.014	mg/kg	1.21
06301	Xylene (Total)	1330-20-7	0.006 J	0.003	0.014	mg/kg	1.21
07586	Acrolein	107-02-8	N.D.	0.055	0.27	mg/kg	1.21
07587	Acrylonitrile	107-13-1	N.D.	0.011	0.055	mg/kg	1.21

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The GC/MS volatile internal standard peak areas were outside the QC limits

\*=This limit was used in the evaluation of the final result

AR101427

Lancaster Laboratories Sample No. SW 4584254

05-METS-03 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:31

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET-3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:23	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 07:53	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:06	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 17:00	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 20:43	[REDACTED]	20

\*=This limit was used in the evaluation of the final result

AR101428

Lancaster Laboratories Sample No. SW 4584254

05-METS-03 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:31  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

**MET-3**

01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/22/2005 10:58	[REDACTED]	40
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 08:49	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 18:59	[REDACTED]	1.21
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 18:59	[REDACTED]	1.21
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:21	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:02	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:02	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584254  
Sample wt/vol: 4.14 (g/mL) g Lab File ID: HP09193.i/05aug18a.b/xg18s12.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. 56 Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.96	3.5	J
2.	Unknown alicyclic	10.93	0.21	J
3.	Unknown alkane	11.63	0.23	J
4.	Unknown alkane	11.70	0.31	J
5.	Unknown alkane	11.81	0.53	J
6.	Unknown alkane	11.90	0.42	J
7.	Unknown alkane	11.93	0.59	J
8.	Unknown alkane	12.06	0.39	J
9.	Unknown	12.26	0.21	J
10.	Unknown alicyclic	12.29	0.27	J
11.	Unknown alicyclic	12.46	0.29	J
12.	Unknown	12.50	0.23	J
13.	Unknown alkane	12.69	0.42	J
14.	Unknown alkane	12.85	0.19	J
15.	Unknown alicyclic	12.93	0.22	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101430

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4584254  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh198.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 56 Decanted: (Y/N)                      Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sonic  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.986	14	JAB
2.	Unknown Alkane	8.322	1.3	J
3.	Unknown Alkane	8.758	2.6	J
4.	Unknown	9.243	.95	J
5.	Unknown	9.611	1.0	J
6.	Unknown Alkane	10.355	2.5	J
7.	Unknown	10.941	1.1	J
8.	Unknown	15.710	.77	J
9.	Unknown Alkane	21.138	1.4	J
10.	11H-Benzo[a]fluorene	22.457	.78	JX
11.	Pyrene, 1-methyl-	22.619	1.2	JX
12.	Pyrene, 4-methyl-	22.833	.77	JX
13.	Unknown	23.536	.91	J
14.	Unknown	23.791	4.1	J
15.	Unknown	24.128	.95	J
16.	Unknown	25.506	1.2	J
17.	Unknown	25.771	2.1	J
18.	Unknown Alkane	27.753	1.7	J
19.	Benz[e]acephenanthrylene	28.549	.85	JX
20.	Unknown Alkane	31.115	1.1	J
21.	Unknown	31.745	.99	J
22.	Unknown	32.161	1.0	J
23.	Unknown	32.192	.81	J
24.	Dibenzo[def,mno]chrysene	34.787	.75	JX
25.	Unknown	37.328	1.2	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*This limit was used in the evaluation of the final result

AR101431

Lancaster Laboratories Sample No. SW 4584255

05-METS-04 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:32  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.286	0.0063	0.235	mg/kg	1
06925	Thallium	7440-28-0	2.42 J	2.36	4.93	mg/kg	1
06935	Arsenic	7440-38-2	7.56	1.65	4.93	mg/kg	1
06936	Selenium	7782-49-2	N.D.	2.36	4.93	mg/kg	1
06944	Antimony	7440-36-0	N.D.	2.02	4.93	mg/kg	1
06947	Beryllium	7440-41-7	1.05 J	0.106	1.23	mg/kg	1
06949	Cadmium	7440-43-9	2.00	0.212	1.23	mg/kg	1
06951	Chromium	7440-47-3	70.7	1.31	3.69	mg/kg	1
06953	Copper	7440-50-8	106.	0.739	2.46	mg/kg	1
06955	Lead	7439-92-1	162.	1.92	4.93	mg/kg	1
06961	Nickel	7440-02-0	47.2	0.813	2.46	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.468	1.23	mg/kg	1
06972	Zinc	7440-66-6	503.	1.13	4.93	mg/kg	1
00111	Moisture	n.a.	59.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.44	1.2	mg/kg	1
05912	Phenols	n.a.	N.D.	3.0	8.7	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00846	0.0413	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00846	0.0413	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00846	0.0413	mg/kg	20
01221	p,p-DDT	50-29-3	2.43	0.164	0.846	mg/kg	200
01222	Dieldrin	60-57-1	N.D.	0.0846	0.0846	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0164	0.0846	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0846	0.413	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00846	0.0413	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00846	0.0413	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.0104	0.0413	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00846	0.0413	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0846	0.0846	mg/kg	20
01986	p,p-DDD	72-54-8	1.53	0.164	0.846	mg/kg	200
01987	Chlordane	57-74-9	0.354 J	0.199	0.846	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.547	1.64	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00846	0.0413	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0164	0.0846	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0164	0.0846	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0846	0.0846	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101432

Lancaster Laboratories Sample No. SW 4584255

05-METS-04 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:32  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.368	0.846	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.164	0.846	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.239	0.846	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.149	0.846	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.547	1.64	mg/kg	20
01998	PCB-1254	11097-69-1	0.463 J	0.164	0.846	mg/kg	20
01999	PCB-1260	11096-82-5	0.749 J	0.547	1.64	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.25	1.2	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.083	0.41	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.083	0.41	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.083	0.41	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.083	0.41	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.083	0.41	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.17	0.41	mg/kg	1
01191	Acenaphthene	83-32-9	0.13 J	0.083	0.41	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.41	1.2	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.17	0.41	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.41	1.2	mg/kg	1
01195	Pyrene	129-00-0	3.4	0.083	0.41	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.083 J	0.083	0.41	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.083	0.41	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.25	0.41	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.083	0.41	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.083	0.41	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	1.7	5.0	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.41	1.2	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.17	0.41	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.083	0.41	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.083	0.41	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.083	0.41	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.083	0.41	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101433

Lancaster Laboratories Sample No. SW 4584255

05-METS-04 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:32  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.083	0.41	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.083	0.41	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.083	0.41	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.083	0.41	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.083	0.41	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.17	0.41	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.41	1.2	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.083	0.41	mg/kg	1
03765	Acenaphthylene	208-96-8	0.16 J	0.083	0.41	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.17	0.41	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.083	0.41	mg/kg	1
03768	Fluorene	86-73-7	0.18 J	0.083	0.41	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.083	0.41	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.17	0.41	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.083	0.41	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.083	0.41	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.083	0.41	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.083	0.41	mg/kg	1
03775	Phenanthrene	85-01-8	1.2	0.083	0.41	mg/kg	1
03776	Anthracene	120-12-7	0.38 J	0.083	0.41	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.17	0.41	mg/kg	1
03778	Fluoranthene	206-44-0	2.5	0.083	0.41	mg/kg	1
03779	Benzidine	92-87-5	N.D.	1.7	5.0	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	0.43	0.17	0.41	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.3	0.083	0.41	mg/kg	1
03782	Chrysene	218-01-9	1.9	0.083	0.41	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.25	0.83	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	3.8	0.17	0.83	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.17	0.41	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	2.3	0.083	0.41	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	1.0	0.083	0.41	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.5	0.083	0.41	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.1	0.083	0.41	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.29 J	0.083	0.41	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	1.2	0.083	0.41	mg/kg	1
06373	Add'l Volatile Compounds						

\*=This limit was used in the evaluation of the final result

AR101434

Lancaster Laboratories Sample No. SW 4584255

05-METS-04 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:32  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.		0.003	0.014	mg/kg	1.09
07584	PPL Volatiles							
02016	Methyl Tertiary Butyl Ether	1634-04-4	0.002 J	0.001		0.014	mg/kg	1.09
02020	t-Butyl alcohol	75-65-0	N.D.	0.054		0.27	mg/kg	1.09
05444	Chloromethane	74-87-3	N.D.	0.005		0.014	mg/kg	1.09
05445	Vinyl Chloride	75-01-4	N.D.	0.003		0.014	mg/kg	1.09
05446	Bromomethane	74-83-9	N.D.	0.005		0.014	mg/kg	1.09
05447	Chloroethane	75-00-3	N.D.	0.005		0.014	mg/kg	1.09
05448	Trichlorofluoromethane	75-69-4	N.D.	0.005		0.014	mg/kg	1.09
05449	1,1-Dichloroethene	75-35-4	N.D.	0.003		0.014	mg/kg	1.09
05450	Methylene Chloride	75-09-2	N.D.	0.005		0.014	mg/kg	1.09
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.003		0.014	mg/kg	1.09
05452	1,1-Dichloroethane	75-34-3	N.D.	0.003		0.014	mg/kg	1.09
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.003		0.014	mg/kg	1.09
05455	Chloroform	67-66-3	N.D.	0.003		0.014	mg/kg	1.09
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.003		0.014	mg/kg	1.09
05458	Carbon Tetrachloride	56-23-5	N.D.	0.003		0.014	mg/kg	1.09
05460	Benzene	71-43-2	0.002 J	0.001		0.014	mg/kg	1.09
05461	1,2-Dichloroethane	107-06-2	N.D.	0.003		0.014	mg/kg	1.09
05462	Trichloroethene	79-01-6	N.D.	0.003		0.014	mg/kg	1.09
05463	1,2-Dichloropropane	78-87-5	N.D.	0.003		0.014	mg/kg	1.09
05465	Bromodichloromethane	75-27-4	N.D.	0.003		0.014	mg/kg	1.09
05466	Toluene	108-88-3	0.006 J	0.003		0.014	mg/kg	1.09
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.003		0.014	mg/kg	1.09
05468	Tetrachloroethene	127-18-4	N.D.	0.003		0.014	mg/kg	1.09
05470	Dibromochloromethane	124-48-1	N.D.	0.003		0.014	mg/kg	1.09
05472	Chlorobenzene	108-90-7	0.009 J	0.003		0.014	mg/kg	1.09
05474	Ethylbenzene	100-41-4	0.007 J	0.003		0.014	mg/kg	1.09
05478	Bromoform	75-25-2	N.D.	0.003		0.014	mg/kg	1.09
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.003		0.014	mg/kg	1.09
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.003		0.014	mg/kg	1.09
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.003		0.014	mg/kg	1.09
06301	Xylene (Total)	1330-20-7	0.013 J	0.003		0.014	mg/kg	1.09
07586	Acrolein	107-02-8	N.D.	0.054		0.27	mg/kg	1.09
07587	Acrylonitrile	107-13-1	N.D.	0.011		0.054	mg/kg	1.09

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

\*=This limit was used in the evaluation of the final result

AR101435

Lancaster Laboratories Sample No. SW 4584255

05-METS-04 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:32

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET-4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:24	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 07:58	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101436

Lancaster Laboratories Sample No. SW 4584255

05-METS-04 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:32

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**MET-4**

05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:07	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 17:02	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 21:03	[REDACTED]	20
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 21:24	[REDACTED]	200
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 09:35	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 20:07	[REDACTED]	1.09
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 20:07	[REDACTED]	1.09
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:23	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:03	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:03	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584255  
Sample wt/vol: 4.59 (g/mL) g Lab File ID: HP09193.i/05aug18a.b/xg18s15.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. 60 Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.92	8.9	J
2.	!Unknown alkane	10.54	0.38	J
3.	!Unknown alicyclic	10.93	0.47	J
4.	!Unknown alkane	11.82	0.88	J
5.	!Unknown alkane	11.90	0.60	J
6.	!Unknown alkane	11.93	0.84	J
7.	!Unknown	12.06	0.48	J
8.	!Unknown alkane	12.26	0.22	J
9.	!Unknown alicyclic	12.29	0.40	J
10.	!Unknown alicyclic	12.46	0.28	J
11.	!Unknown	12.51	0.20	J
12.	!Unknown alkane	12.69	0.58	J
13.	!Unknown	13.16	0.18	J
14.	!Unknown alkane	13.18	0.18	J
15.	!Unknown aromatic	13.30	0.19	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101438

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584255  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh199.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 60 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.957	6.6	JAB
2.	Unknown Alkane	20.487	5.4	J
3.	Unknown	20.568	4.3	J
4.	Unknown	20.599	3.6	J
5.	Unknown Alkane	20.649	4.9	J
6.	Unknown	20.781	4.8	J
7.	Unknown	20.831	3.9	J
8.	Unknown	20.882	4.0	J
9.	Unknown	20.943	9.9	J
10.	Unknown	21.044	6.5	J
11.	Unknown Alkane	21.155	8.2	J
12.	Unknown	21.236	6.2	J
13.	Unknown	21.297	10	J
14.	Unknown	21.439	8.5	J
15.	Unknown Alkane	21.520	7.0	J
16.	Unknown	21.581	5.2	J
17.	Unknown Alkane	21.774	9.0	J
18.	Unknown Alkane	21.855	8.1	J
19.	Unknown Alkane	22.720	4.0	J
20.	Unknown Alkane	23.332	4.3	J
21.	Unknown Alkane	23.464	3.5	J
22.	Unknown	23.811	8.4	J
23.	Unknown	24.128	3.7	J
24.	Unknown	26.817	3.9	J
25.	Vitamin e	32.196	4.9	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101439

Lancaster Laboratories Sample No. SW 4584256

05-METS-05 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:50

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.675	0.0062	0.231	mg/kg	1
06925	Thallium	7440-28-0	4.21 J	2.31	4.82	mg/kg	1
06935	Arsenic	7440-38-2	71.3	1.61	4.82	mg/kg	1
06936	Selenium	7782-49-2	4.24 J	2.31	4.82	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.98	4.82	mg/kg	1
06947	Beryllium	7440-41-7	0.680 J	0.104	1.20	mg/kg	1
06949	Cadmium	7440-43-9	3.32	0.207	1.20	mg/kg	1
06951	Chromium	7440-47-3	226.	1.28	3.61	mg/kg	1
06953	Copper	7440-50-8	148.	0.723	2.41	mg/kg	1
06955	Lead	7439-92-1	193.	1.88	4.82	mg/kg	1
06961	Nickel	7440-02-0	27.6	0.795	2.41	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.458	1.20	mg/kg	1
06972	Zinc	7440-66-6	358.	1.11	4.82	mg/kg	1
00111	Moisture	n.a.	58.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.42	1.2	mg/kg	1
05912	Phenols	n.a.	N.D.	2.9	8.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00819	0.0400	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00819	0.0400	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00819	0.0400	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0964	0.0964	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.0159	0.0819	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0159	0.0819	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0819	0.400	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00819	0.0400	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00819	0.0400	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.0101	0.0400	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00819	0.0400	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0819	0.0819	mg/kg	20
01986	p,p-DDD	72-54-8	0.382	0.0159	0.0819	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.193	0.819	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.530	1.59	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00819	0.0400	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0159	0.0819	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0159	0.0819	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0819	0.0819	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101440

Lancaster Laboratories Sample No. SW 4584256

05-METS-05 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:50

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.357	0.819	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.159	0.819	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.231	0.819	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.145	0.819	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.530	1.59	mg/kg	20
01998	PCB-1254	11097-69-1	0.769 J	0.159	0.819	mg/kg	20
01999	PCB-1260	11096-82-5	0.718 J	0.530	1.59	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, 4,4'-DDT and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.24	1.2	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.080	0.40	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.080	0.40	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.080	0.40	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.080	0.40	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.080	0.40	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.16	0.40	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.080	0.40	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.40	1.2	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.16	0.40	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.40	1.2	mg/kg	1
01195	Pyrene	129-00-0	3.1	0.080	0.40	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.080	0.40	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.080	0.40	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.24	0.40	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.080	0.40	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.080	0.40	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	1.6	4.8	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.40	1.2	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.16	0.40	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.080	0.40	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.080	0.40	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.080	0.40	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.080	0.40	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101441

Lancaster Laboratories Sample No. SW 4584256

05-METS-05 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.080	0.40	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.080	0.40	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.080	0.40	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.080	0.40	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.080	0.40	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.16	0.40	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.40	1.2	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.080	0.40	mg/kg	1
03765	Acenaphthylene	208-96-8	0.13 J	0.080	0.40	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.16	0.40	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.080	0.40	mg/kg	1
03768	Fluorene	86-73-7	0.11 J	0.080	0.40	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.080	0.40	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.16	0.40	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.080	0.40	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.080	0.40	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.080	0.40	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.080	0.40	mg/kg	1
03775	Phenanthrene	85-01-8	1.1	0.080	0.40	mg/kg	1
03776	Anthracene	120-12-7	0.31 J	0.080	0.40	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.16	0.40	mg/kg	1
03778	Fluoranthene	206-44-0	2.1	0.080	0.40	mg/kg	1
03779	Benzidine	92-87-5	N.D.	1.6	4.8	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	0.39 J	0.16	0.40	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.1	0.080	0.40	mg/kg	1
03782	Chrysene	218-01-9	1.6	0.080	0.40	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.24	0.80	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	3.0	0.16	0.80	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.16	0.40	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	2.2	0.080	0.40	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.77	0.080	0.40	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.4	0.080	0.40	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.0	0.080	0.40	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.33 J	0.080	0.40	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	1.1	0.080	0.40	mg/kg	1
06373	Add'l Volatile Compounds						

\*=This limit was used in the evaluation of the final result

AR101442

Lancaster Laboratories Sample No. SW 4584256

05-METS-05 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:50

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.003	0.017	mg/kg	1.39
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.002	0.017	mg/kg	1.39
02020	t-Butyl alcohol	75-65-0	N.D.	0.067	0.33	mg/kg	1.39
05444	Chloromethane	74-87-3	N.D.	0.007	0.017	mg/kg	1.39
05445	Vinyl Chloride	75-01-4	N.D.	0.003	0.017	mg/kg	1.39
05446	Bromomethane	74-83-9	N.D.	0.007	0.017	mg/kg	1.39
05447	Chloroethane	75-00-3	N.D.	0.007	0.017	mg/kg	1.39
05448	Trichlorofluoromethane	75-69-4	N.D.	0.007	0.017	mg/kg	1.39
05449	1,1-Dichloroethene	75-35-4	N.D.	0.003	0.017	mg/kg	1.39
05450	Methylene Chloride	75-09-2	N.D.	0.007	0.017	mg/kg	1.39
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.003	0.017	mg/kg	1.39
05452	1,1-Dichloroethane	75-34-3	N.D.	0.003	0.017	mg/kg	1.39
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.003	0.017	mg/kg	1.39
05455	Chloroform	67-66-3	N.D.	0.003	0.017	mg/kg	1.39
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.003	0.017	mg/kg	1.39
05458	Carbon Tetrachloride	56-23-5	N.D.	0.003	0.017	mg/kg	1.39
05460	Benzene	71-43-2	N.D.	0.002	0.017	mg/kg	1.39
05461	1,2-Dichloroethane	107-06-2	N.D.	0.003	0.017	mg/kg	1.39
05462	Trichloroethene	79-01-6	N.D.	0.003	0.017	mg/kg	1.39
05463	1,2-Dichloropropane	78-87-5	N.D.	0.003	0.017	mg/kg	1.39
05465	Bromodichloromethane	75-27-4	N.D.	0.003	0.017	mg/kg	1.39
05466	Toluene	108-88-3	N.D.	0.003	0.017	mg/kg	1.39
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.003	0.017	mg/kg	1.39
05468	Tetrachloroethene	127-18-4	N.D.	0.003	0.017	mg/kg	1.39
05470	Dibromochloromethane	124-48-1	N.D.	0.003	0.017	mg/kg	1.39
05472	Chlorobenzene	108-90-7	N.D.	0.003	0.017	mg/kg	1.39
05474	Ethylbenzene	100-41-4	N.D.	0.003	0.017	mg/kg	1.39
05478	Bromoform	75-25-2	N.D.	0.003	0.017	mg/kg	1.39
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.003	0.017	mg/kg	1.39
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.003	0.017	mg/kg	1.39
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.003	0.017	mg/kg	1.39
06301	Xylene (Total)	1330-20-7	N.D.	0.003	0.017	mg/kg	1.39
07586	Acrolein	107-02-8	N.D.	0.067	0.33	mg/kg	1.39
07587	Acrylonitrile	107-13-1	N.D.	0.013	0.067	mg/kg	1.39

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample. Also, a surrogate recovery was outside of QC limits for the re-analysis.

\*=This limit was used in the evaluation of the final result

AR101443

Lancaster Laboratories Sample No. SW 4584256

05-METS-05 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:50 by XXXXXXXXXX Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:27	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06925	Thallium	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06936	Selenium	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06944	Antimony	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06951	Chromium	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06953	Copper	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06955	Lead	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06961	Nickel	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06966	Silver	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
06972	Zinc	SW-846 6010B	1	08/17/2005 08:02	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:20	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
05912	Phenols	SW846 9066	1	08/19/2005 17:03	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 21:44	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	20

\*=This limit was used in the evaluation of the final result

AR101444

Lancaster Laboratories Sample No. SW 4584256

05-METS-05 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:50

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:33

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**MET-5**

04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 10:21	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/22/2005 16:10	[REDACTED]	1.39
07584	PPL Volatiles	SW-846 8260B	1	08/22/2005 16:10	[REDACTED]	1.39
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:24	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:04	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:04	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584256  
Sample wt/vol: 3.61 (g/mL) g Lab File ID: HP09193.i/05aug22a.b/xg22s02.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. 59 Date Analyzed: 08/22/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	10.24	0.026	J B
2. 328-84-7	3,4-Dichlorobenzotrifluorid	12.79	0.20	J
3.	Unknown siloxane	13.57	0.058	J B
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101446

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584256  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh200.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 59 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	5.100	5.2	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	6.969	25	JAB
3.	!Unknown	20.571	1.5	J
4.	!Unknown Alkane	21.147	2.3	J
5.	!Unknown	21.259	1.7	J
6.	!Unknown Alkane	21.330	2.5	J
7.	!Unknown	21.411	3.3	J
8.	!Unknown	21.522	2.4	J
9.	!Unknown	21.583	2.3	J
10.	!Unknown	21.725	1.6	J
11.	!Unknown	21.776	1.7	J
12.	!Unknown	21.816	1.8	J
13.	!Unknown	21.857	4.4	J
14.	!Unknown	22.436	3.2	J
15.	!Unknown	22.629	3.0	J
16.	!Unknown	22.761	2.0	J
17.	!Pyrene, 4-methyl-	22.843	2.3	JX
18.	!Unknown	23.057	3.1	J
19.	!Unknown	23.342	2.7	J
20.	!Unknown Alkane	23.434	1.7	J
21.	!7H-Benz[de]anthracen-7-one	23.556	1.7	JX
22.	!Unknown	23.628	1.6	J
23.	!Unknown	23.801	4.0	J
24.	!Unknown	23.923	1.8	J
25.	!Benz[e]acephenanthrylene	27.498	1.5	JX
26.	_____	_____	_____	_____
27.	_____	_____	_____	_____
28.	_____	_____	_____	_____
29.	_____	_____	_____	_____
30.	_____	_____	_____	_____

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101447

Lancaster Laboratories Sample No. SW 4584257

05-METS-06 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 15:05

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.548	0.0041	0.152	mg/kg	1
06925	Thallium	7440-28-0	2.79 J	1.50	3.13	mg/kg	1
06935	Arsenic	7440-38-2	12.4	1.05	3.13	mg/kg	1
06936	Selenium	7782-49-2	1.60 J	1.50	3.13	mg/kg	1
06944	Antimony	7440-36-0	1.31 J	1.29	3.13	mg/kg	1
06947	Beryllium	7440-41-7	0.967	0.0674	0.784	mg/kg	1
06949	Cadmium	7440-43-9	2.62	0.135	0.784	mg/kg	1
06951	Chromium	7440-47-3	80.9	0.831	2.35	mg/kg	1
06953	Copper	7440-50-8	89.6	0.470	1.57	mg/kg	1
06955	Lead	7439-92-1	261.	1.22	3.13	mg/kg	1
06961	Nickel	7440-02-0	43.1	0.517	1.57	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.298	0.784	mg/kg	1
06972	Zinc	7440-66-6	405.	0.721	3.13	mg/kg	1
00111	Moisture	n.a.	36.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.27	0.76	mg/kg	1
05912	Phenols	n.a.	N.D.	1.9	5.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00533	0.0260	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00533	0.0260	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00533	0.0260	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0103	0.0533	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.0815	0.0815	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0533	0.0533	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0533	0.260	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00533	0.0260	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00533	0.0260	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00658	0.0260	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00533	0.0260	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0940	0.0940	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.0752	0.0752	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.533	0.533	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.345	1.03	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00533	0.0260	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0103	0.0533	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0103	0.0533	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0940	0.0940	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101448

Lancaster Laboratories Sample No. SW 4584257

05-METS-06 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 15:05

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.232	0.533	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.103	0.533	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.150	0.533	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0940	0.533	mg/kg	20
01997	PCB-1248	12672-29-6	3.30	0.345	1.03	mg/kg	20
01998	PCB-1254	11097-69-1	2.65	0.103	0.533	mg/kg	20
01999	PCB-1260	11096-82-5	2.14	0.345	1.03	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, endrin, 4,4'-DDD, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.16	0.78	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.052	0.26	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.052	0.26	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.052	0.26	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.052	0.26	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.052	0.26	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.10	0.26	mg/kg	1
01191	Acenaphthene	83-32-9	0.38	0.052	0.26	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.26	0.78	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.10	0.26	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.26	0.78	mg/kg	1
01195	Pyrene	129-00-0	4.7	0.052	0.26	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.15 J	0.052	0.26	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.052	0.26	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.16	0.26	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.052	0.26	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.052	0.26	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	1.0	3.1	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.26	0.78	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.10	0.26	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.052	0.26	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.052	0.26	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	0.072 J	0.052	0.26	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.052	0.26	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101449

Lancaster Laboratories Sample No. SW 4584257

05-METS-06 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 15:05

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.052	0.26	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.052	0.26	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.052	0.26	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.052	0.26	mg/kg	1
03761	Naphthalene	91-20-3	0.24 J	0.052	0.26	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.10	0.26	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.26	0.78	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.052	0.26	mg/kg	1
03765	Acenaphthylene	208-96-8	0.29	0.052	0.26	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.10	0.26	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.052	0.26	mg/kg	1
03768	Fluorene	86-73-7	0.55	0.052	0.26	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.052	0.26	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.10	0.26	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.052	0.26	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.052	0.26	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.052	0.26	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.052	0.26	mg/kg	1
03775	Phenanthrene	85-01-8	3.3	0.052	0.26	mg/kg	1
03776	Anthracene	120-12-7	1.1	0.052	0.26	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.10	0.26	mg/kg	1
03778	Fluoranthene	206-44-0	4.0	0.052	0.26	mg/kg	1
03779	Benzidine	92-87-5	N.D.	1.0	3.1	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	0.23 J	0.10	0.26	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	2.5	0.052	0.26	mg/kg	1
03782	Chrysene	218-01-9	2.9	0.052	0.26	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.16	0.52	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	1.8	0.10	0.52	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.10	0.26	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	2.8	0.052	0.26	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	1.2	0.052	0.26	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	2.2	0.052	0.26	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.2	0.052	0.26	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.48	0.052	0.26	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	1.3	0.052	0.26	mg/kg	1
06373	Add'l Volatile Compounds						

\*=This limit was used in the evaluation of the final result

AR101450

Lancaster Laboratories Sample No. SW 4584257

05-METS-06 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 15:05

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	0.97
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	0.97
02020	t-Butyl alcohol	75-65-0	N.D.	0.030	0.15	mg/kg	0.97
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	0.97
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	0.97
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	0.97
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	0.97
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	0.97
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	0.97
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.008	mg/kg	0.97
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	0.97
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.008	mg/kg	0.97
05454	cis-1,2-Dichloroethene	156-59-2	0.008	0.002	0.008	mg/kg	0.97
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	0.97
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	0.97
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	0.97
05460	Benzene	71-43-2	N.D.	0.0008	0.008	mg/kg	0.97
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	0.97
05462	Trichloroethene	79-01-6	N.D.	0.002	0.008	mg/kg	0.97
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	0.97
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	0.97
05466	Toluene	108-88-3	N.D.	0.002	0.008	mg/kg	0.97
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	0.97
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.008	mg/kg	0.97
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	0.97
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	0.97
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.008	mg/kg	0.97
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	0.97
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	0.97
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	0.97
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	0.97
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.008	mg/kg	0.97
07586	Acrolein	107-02-8	N.D.	0.030	0.15	mg/kg	0.97
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.030	mg/kg	0.97

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4584257

05-METS-06 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 15:05

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Montgomery Watson Harza

Reported: 09/28/2005 at 13:33

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

MET-6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:28	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 08:07	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:21	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 17:04	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 22:05	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 11:06	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 19:22	[REDACTED]	0.97
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 19:22	[REDACTED]	0.97
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101452

Lancaster Laboratories Sample No. SW 4584257

05-METS-06 Grab Soil Sample  
N(0-0.5)  
Former Metro Container Investigation

Collected: 08/15/2005 15:05 by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:33  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET-6						
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:26	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:05	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:05	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584257  
Sample wt/vol: 5.16 (g/mL) g Lab File ID: HP09193.i/05aug18a.b/xg18s13.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. 36 Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.96	0.79	J
2. 75-15-0	Carbon disulfide	3.88	0.028	J B
3.	Unknown siloxane	12.26	0.011	J B
4.				
5.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101454

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4584257  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh201.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 36 Decanted: (Y/N)                      Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	!2-Pentanone, 4-hydroxy-4-met	6.958	18	JAB
2.	!Phenanthrene, 1-methyl-	20.408	2.2	JX
3.	!Anthracene, 1-methyl-	20.499	2.5	JX
4.	!Unknown	20.570	4.3	J
5.	!1,1'-Biphenyl, 2,3',4',5-tet	20.661	2.2	JX
6.	!Naphthalene, 2-phenyl-	20.893	3.3	JX
7.	!Unknown	20.954	2.6	J
8.	!Unknown	21.045	2.1	J
9.	!Unknown Alkane	21.157	5.3	J
10.	!Phenanthrene, 3,6-dimethyl-	21.278	2.2	JX
11.	!Phenanthrene, 2,7-dimethyl-	21.359	3.1	JX
12.	!Phenanthrene, 2-ethyl-	21.522	3.3	JX
13.	!Unknown	26.752	4.0	J
14.	!Unknown	26.905	5.6	J
15.	!Unknown	27.038	2.5	J
16.	!Unknown	27.120	2.9	J
17.	!Unknown	27.202	4.5	J
18.	!Unknown	27.294	3.1	J
19.	!Unknown	27.376	2.3	J
20.	!Unknown	27.723	2.7	J
21.	!Unknown Alkane	27.774	3.1	J
22.	!Benz[e]acephenanthrylene	27.866	3.6	JX
23.	!Unknown	27.948	3.2	J
24.	!Unknown	28.194	2.4	J
25.	!Benz[e]acephenanthrylene	28.582	4.9	JX
26.	!	!	!	!
27.	!	!	!	!
28.	!	!	!	!
29.	!	!	!	!
30.	!	!	!	!

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101455

Lancaster Laboratories Sample No. SW 4584258

05-MET-061 Grab Soil Sample  
N(7.5-8.0)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET61

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.458	0.0037	0.139	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.36	2.83	mg/kg	1
06935	Arsenic	7440-38-2	36.5	0.946	2.83	mg/kg	1
06936	Selenium	7782-49-2	1.45 J	1.36	2.83	mg/kg	1
06944	Antimony	7440-36-0	1.34 J	1.16	2.83	mg/kg	1
06947	Beryllium	7440-41-7	0.318 J	0.0607	0.706	mg/kg	1
06949	Cadmium	7440-43-9	0.198 J	0.121	0.706	mg/kg	1
06951	Chromium	7440-47-3	25.2	0.749	2.12	mg/kg	1
06953	Copper	7440-50-8	38.5	0.424	1.41	mg/kg	1
06955	Lead	7439-92-1	107.	1.10	2.83	mg/kg	1
06961	Nickel	7440-02-0	40.5	0.466	1.41	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.268	0.706	mg/kg	1
06972	Zinc	7440-66-6	64.9	0.650	2.83	mg/kg	1
00111	Moisture	n.a.	30.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	1.9	0.25	0.70	mg/kg	1
05912	Phenols	n.a.	11.7	1.7	5.0	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0490	0.239	mg/kg	200
01219	Heptachlor	76-44-8	N.D.	0.0490	0.239	mg/kg	200
01220	Aldrin	309-00-2	N.D.	0.0490	0.239	mg/kg	200
01221	p,p-DDT	50-29-3	N.D.	0.0951	0.490	mg/kg	200
01222	Dieldrin	60-57-1	N.D.	0.0951	0.490	mg/kg	200
01223	Endrin	72-20-8	N.D.	0.0951	0.490	mg/kg	200
01859	Methoxychlor	72-43-5	N.D.	0.490	2.39	mg/kg	200
01981	Alpha BHC	319-84-6	N.D.	0.0490	0.239	mg/kg	200
01982	Beta BHC	319-85-7	N.D.	0.0490	0.239	mg/kg	200
01983	Delta BHC	319-86-8	N.D.	0.0605	0.239	mg/kg	200
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0490	0.239	mg/kg	200
01985	p,p-DDE	72-55-9	N.D.	0.0951	0.490	mg/kg	200
01986	p,p-DDD	72-54-8	N.D.	0.0951	0.490	mg/kg	200
01987	Chlordane	57-74-9	N.D.	1.15	4.90	mg/kg	200
01988	Toxaphene	8001-35-2	N.D.	3.17	9.51	mg/kg	200
01989	Endosulfan I	959-98-8	N.D.	0.0490	0.239	mg/kg	200
01990	Endosulfan II	33213-65-9	N.D.	0.0951	0.490	mg/kg	200
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0951	0.490	mg/kg	200
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0951	0.490	mg/kg	200

\*=This limit was used in the evaluation of the final result

AR101456

Lancaster Laboratories Sample No. SW 4584258

05-MET-061 Grab Soil Sample  
N(7.5-8.0)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by ■

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET61

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	2.13	4.90	mg/kg	200
01994	PCB-1221	11104-28-2	N.D.	0.951	4.90	mg/kg	200
01995	PCB-1232	11141-16-5	N.D.	1.38	4.90	mg/kg	200
01996	PCB-1242	53469-21-9	N.D.	0.865	4.90	mg/kg	200
01997	PCB-1248	12672-29-6	N.D.	3.17	9.51	mg/kg	200
01998	PCB-1254	11097-69-1	N.D.	0.951	4.90	mg/kg	200
01999	PCB-1260	11096-82-5	N.D.	3.17	9.51	mg/kg	200

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.4	7.2	mg/kg	10
01185	Phenol	108-95-2	7.2	0.48	2.4	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.48	2.4	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.48	2.4	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.48	2.4	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.48	2.4	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.96	2.4	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	0.48	2.4	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.4	7.2	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.96	2.4	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.4	7.2	mg/kg	10
01195	Pyrene	129-00-0	1.1 J	0.48	2.4	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.48	2.4	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.48	2.4	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	1.8 J	1.4	2.4	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	1.8 J	0.48	2.4	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.48	2.4	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	9.6	29.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.4	7.2	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.96	2.4	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.48	2.4	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.48	2.4	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	1.2 J	0.48	2.4	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.48	2.4	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.48	2.4	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.48	2.4	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.48	2.4	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101457

Lancaster Laboratories Sample No. SW 4584258

05-MET-061 Grab Soil Sample  
N(7.5-8.0)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET61

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.48	2.4	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	0.48	2.4	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.96	2.4	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.4	7.2	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.48	2.4	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.48	2.4	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.96	2.4	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.48	2.4	mg/kg	10
03768	Fluorene	86-73-7	N.D.	0.48	2.4	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.48	2.4	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.96	2.4	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.48	2.4	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.48	2.4	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.48	2.4	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.48	2.4	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	0.48	2.4	mg/kg	10
03776	Anthracene	120-12-7	N.D.	0.48	2.4	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.96	2.4	mg/kg	10
03778	Fluoranthene	206-44-0	N.D.	0.48	2.4	mg/kg	10
03779	Benzidine	92-87-5	N.D.	9.6	29.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.96	2.4	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	0.77 J	0.48	2.4	mg/kg	10
03782	Chrysene	218-01-9	5.8	0.48	2.4	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.4	4.8	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.96	4.8	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.96	2.4	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	2.0 J	0.48	2.4	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.48	2.4	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	1.4 J	0.48	2.4	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.6 J	0.48	2.4	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	2.2 J	0.48	2.4	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	4.0	0.48	2.4	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.

\*=This limit was used in the evaluation of the final result

AR101458

Lancaster Laboratories Sample No. SW 4584258

05-MET-061 Grab Soil Sample  
N(7.5-8.0)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET61

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.58	2.9	mg/kg	401.28
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.29	2.9	mg/kg	401.28
02020	t-Butyl alcohol	75-65-0	N.D.	12.	58.	mg/kg	401.28
05444	Chloromethane	74-87-3	N.D.	1.2	2.9	mg/kg	401.28
05445	Vinyl Chloride	75-01-4	N.D.	0.58	2.9	mg/kg	401.28
05446	Bromomethane	74-83-9	N.D.	1.2	2.9	mg/kg	401.28
05447	Chloroethane	75-00-3	N.D.	1.2	2.9	mg/kg	401.28
05448	Trichlorofluoromethane	75-69-4	N.D.	1.2	2.9	mg/kg	401.28
05449	1,1-Dichloroethene	75-35-4	N.D.	0.58	2.9	mg/kg	401.28
05450	Methylene Chloride	75-09-2	N.D.	1.2	2.9	mg/kg	401.28
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.58	2.9	mg/kg	401.28
05452	1,1-Dichloroethane	75-34-3	N.D.	0.58	2.9	mg/kg	401.28
05454	cis-1,2-Dichloroethene	156-59-2	4.1	0.58	2.9	mg/kg	401.28
05455	Chloroform	67-66-3	N.D.	0.58	2.9	mg/kg	401.28
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.58	2.9	mg/kg	401.28
05458	Carbon Tetrachloride	56-23-5	N.D.	0.58	2.9	mg/kg	401.28
05460	Benzene	71-43-2	N.D.	0.29	2.9	mg/kg	401.28
05461	1,2-Dichloroethane	107-06-2	N.D.	0.58	2.9	mg/kg	401.28
05462	Trichloroethene	79-01-6	2.4 J	0.58	2.9	mg/kg	401.28
05463	1,2-Dichloropropane	78-87-5	N.D.	0.58	2.9	mg/kg	401.28
05465	Bromodichloromethane	75-27-4	N.D.	0.58	2.9	mg/kg	401.28
05466	Toluene	108-88-3	N.D.	0.58	2.9	mg/kg	401.28
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.58	2.9	mg/kg	401.28
05468	Tetrachloroethene	127-18-4	N.D.	0.58	2.9	mg/kg	401.28
05470	Dibromochloromethane	124-48-1	N.D.	0.58	2.9	mg/kg	401.28
05472	Chlorobenzene	108-90-7	N.D.	0.58	2.9	mg/kg	401.28
05474	Ethylbenzene	100-41-4	N.D.	0.58	2.9	mg/kg	401.28
05478	Bromoform	75-25-2	N.D.	0.58	2.9	mg/kg	401.28
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.58	2.9	mg/kg	401.28
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.58	2.9	mg/kg	401.28
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.58	2.9	mg/kg	401.28
06301	Xylene (Total)	1330-20-7	0.59 J	0.58	2.9	mg/kg	401.28
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	1.2	5.8	mg/kg	401.28
07586	Acrolein	107-02-8	N.D.	12.	58.	mg/kg	401.28
07587	Acrylonitrile	107-13-1	N.D.	2.3	12.	mg/kg	401.28

\*=This limit was used in the evaluation of the final result

AR101459

Lancaster Laboratories Sample No. SW 4584258

05-MET-061 Grab Soil Sample  
N(7.5-8.0)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:34

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET61

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:30	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 08:12	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101460

Lancaster Laboratories Sample No. SW 4584258

05-MET-061 Grab Soil Sample  
N(7.5-8.0)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

**MET61**

00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:22	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 17:05	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 22:25	[REDACTED]	200
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 11:52	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 02:21	[REDACTED]	401.28
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 02:21	[REDACTED]	401.28
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:28	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:06	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:06	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584258  
Sample wt/vol: 6.23 (g/mL) g Lab File ID: HP07566.i/05aug18b.b/rg18s55.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 31 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 401.3  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584258  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh202.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 31 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Phenol, (1,1,3,3-tetramethyl)	17.387	15	JX
2.	Unknown	21.148	15	J
3.	Unknown	21.290	10	J
4.	Unknown	21.564	14	J
5.	Unknown	21.757	11	J
6.	Unknown	21.828	16	J
7.	Unknown	21.878	14	J
8.	Unknown	22.142	15	J
9.	Unknown	22.254	13	J
10.	Unknown	22.467	15	J
11.	Unknown	22.539	18	J
12.	Unknown	22.630	14	J
13.	Unknown	22.701	20	J
14.	Unknown	22.803	12	J
15.	Unknown	22.895	22	J
16.	Unknown	22.966	22	J
17.	Unknown	23.058	26	J
18.	Unknown Alkane	23.210	20	J
19.	Unknown	23.261	18	J
20.	Unknown	23.404	19	J
21.	Unknown	23.547	20	J
22.	Unknown	23.710	12	J
23.	o-Terphenyl	23.781	10	JX
24.	Unknown	23.832	12	J
25.	Benz[e]acephenanthrylene	28.594	10	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101463

Lancaster Laboratories Sample No. SW 4584259

05-MET-062 Grab Soil Sample  
N(5.25-5.75)  
Former Metro Container Investigation

Collected: 08/15/2005 08:55

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET62

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.265	0.0036	0.135	mg/kg	1
06925	Thallium	7440-28-0	2.23 J	1.31	2.72	mg/kg	1
06935	Arsenic	7440-38-2	20.5	0.911	2.72	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.31	2.72	mg/kg	1
06944	Antimony	7440-36-0	4.98	1.12	2.72	mg/kg	1
06947	Beryllium	7440-41-7	1.04	0.0585	0.680	mg/kg	1
06949	Cadmium	7440-43-9	0.155 J	0.117	0.680	mg/kg	1
06951	Chromium	7440-47-3	25.3	0.721	2.04	mg/kg	1
06953	Copper	7440-50-8	76.5	0.408	1.36	mg/kg	1
06955	Lead	7439-92-1	34.4	1.06	2.72	mg/kg	1
06961	Nickel	7440-02-0	95.0	0.449	1.36	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.258	0.680	mg/kg	1
06972	Zinc	7440-66-6	89.1	0.626	2.72	mg/kg	1
00111	Moisture	n.a.	27.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.67	mg/kg	1
05912	Phenols	n.a.	8.5	1.6	4.8	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.117	0.570	mg/kg	500
01219	Heptachlor	76-44-8	N.D.	0.117	0.570	mg/kg	500
01220	Aldrin	309-00-2	N.D.	0.117	0.570	mg/kg	500
01221	p,p-DDT	50-29-3	N.D.	0.227	1.17	mg/kg	500
01222	Dieldrin	60-57-1	N.D.	1.17	1.17	mg/kg	500
01223	Endrin	72-20-8	N.D.	0.227	1.17	mg/kg	500
01859	Methoxychlor	72-43-5	N.D.	1.17	5.70	mg/kg	500
01981	Alpha BHC	319-84-6	N.D.	0.117	0.570	mg/kg	500
01982	Beta BHC	319-85-7	N.D.	0.117	0.570	mg/kg	500
01983	Delta BHC	319-86-8	N.D.	0.144	0.570	mg/kg	500
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.117	0.570	mg/kg	500
01985	p,p-DDE	72-55-9	N.D.	1.17	1.17	mg/kg	500
01986	p,p-DDD	72-54-8	N.D.	0.227	1.17	mg/kg	500
01987	Chlordane	57-74-9	N.D.	2.75	11.7	mg/kg	500
01988	Toxaphene	8001-35-2	N.D.	7.55	22.7	mg/kg	500
01989	Endosulfan I	959-98-8	N.D.	0.117	0.570	mg/kg	500
01990	Endosulfan II	33213-65-9	N.D.	0.227	1.17	mg/kg	500
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.227	1.17	mg/kg	500
01992	Endrin Aldehyde	7421-93-4	1.11 J	0.227	1.17	mg/kg	500

\*=This limit was used in the evaluation of the final result

AR101464

Lancaster Laboratories Sample No. SW 4584259

05-MET-062 Grab Soil Sample  
N(5.25-5.75)  
Former Metro Container Investigation

Collected: 08/15/2005 08:55

by █

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET62

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	5.08	11.7	mg/kg	500
01994	PCB-1221	11104-28-2	N.D.	2.27	11.7	mg/kg	500
01995	PCB-1232	11141-16-5	N.D.	3.30	11.7	mg/kg	500
01996	PCB-1242	53469-21-9	N.D.	2.06	11.7	mg/kg	500
01997	PCB-1248	12672-29-6	N.D.	7.55	22.7	mg/kg	500
01998	PCB-1254	11097-69-1	N.D.	11.7	11.7	mg/kg	500
01999	PCB-1260	11096-82-5	51.8	7.55	22.7	mg/kg	500

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable 4,4'-DDE, dieldrin, and endrin aldehyde. Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.4	6.9	mg/kg	10
01185	Phenol	108-95-2	3.4	0.46	2.3	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.46	2.3	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.46	2.3	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.46	2.3	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.46	2.3	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.92	2.3	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	0.46	2.3	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.3	6.9	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.92	2.3	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.3	6.9	mg/kg	10
01195	Pyrene	129-00-0	N.D.	0.46	2.3	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.46	2.3	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.46	2.3	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.4	2.3	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.46	2.3	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.46	2.3	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	9.2	27.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.3	6.9	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.92	2.3	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.46	2.3	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.46	2.3	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	0.49 J	0.46	2.3	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.46	2.3	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.46	2.3	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101465

Lancaster Laboratories Sample No. SW 4584259

05-MET-062 Grab Soil Sample  
N(5.25-5.75)  
Former Metro Container Investigation

Collected: 08/15/2005 08:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET62

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.46	2.3	mg/kg	10
03759	Isophorone	78-59-1	2.7	0.46	2.3	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.46	2.3	mg/kg	10
03761	Naphthalene	91-20-3	1.3 J	0.46	2.3	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.92	2.3	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.3	6.9	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.46	2.3	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.46	2.3	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.92	2.3	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.46	2.3	mg/kg	10
03768	Fluorene	86-73-7	N.D.	0.46	2.3	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.46	2.3	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.92	2.3	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.46	2.3	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.46	2.3	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.46	2.3	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.46	2.3	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	0.46	2.3	mg/kg	10
03776	Anthracene	120-12-7	N.D.	0.46	2.3	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.92	2.3	mg/kg	10
03778	Fluoranthene	206-44-0	N.D.	0.46	2.3	mg/kg	10
03779	Benzidine	92-87-5	N.D.	9.2	27.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.92	2.3	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	N.D.	0.46	2.3	mg/kg	10
03782	Chrysene	218-01-9	N.D.	0.46	2.3	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.4	4.6	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.92	4.6	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.92	2.3	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.46	2.3	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.46	2.3	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	N.D.	0.46	2.3	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.46	2.3	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.46	2.3	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.46	2.3	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4584259

05-MET-062 Grab Soil Sample  
N(5.25-5.75)  
Former Metro Container Investigation

Collected: 08/15/2005 08:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET62

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	1.1	5.5	mg/kg	807.75
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.55	5.5	mg/kg	807.75
02020	t-Butyl alcohol	75-65-0	N.D.	22.	110.	mg/kg	807.75
05444	Chloromethane	74-87-3	N.D.	2.2	5.5	mg/kg	807.75
05445	Vinyl Chloride	75-01-4	N.D.	1.1	5.5	mg/kg	807.75
05446	Bromomethane	74-83-9	N.D.	2.2	5.5	mg/kg	807.75
05447	Chloroethane	75-00-3	N.D.	2.2	5.5	mg/kg	807.75
05448	Trichlorofluoromethane	75-69-4	N.D.	2.2	5.5	mg/kg	807.75
05449	1,1-Dichloroethene	75-35-4	N.D.	1.1	5.5	mg/kg	807.75
05450	Methylene Chloride	75-09-2	N.D.	2.2	5.5	mg/kg	807.75
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	1.1	5.5	mg/kg	807.75
05452	1,1-Dichloroethane	75-34-3	N.D.	1.1	5.5	mg/kg	807.75
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	1.1	5.5	mg/kg	807.75
05455	Chloroform	67-66-3	N.D.	1.1	5.5	mg/kg	807.75
05457	1,1,1-Trichloroethane	71-55-6	N.D.	1.1	5.5	mg/kg	807.75
05458	Carbon Tetrachloride	56-23-5	N.D.	1.1	5.5	mg/kg	807.75
05460	Benzene	71-43-2	N.D.	0.55	5.5	mg/kg	807.75
05461	1,2-Dichloroethane	107-06-2	N.D.	1.1	5.5	mg/kg	807.75
05462	Trichloroethene	79-01-6	N.D.	1.1	5.5	mg/kg	807.75
05463	1,2-Dichloropropane	78-87-5	N.D.	1.1	5.5	mg/kg	807.75
05465	Bromodichloromethane	75-27-4	N.D.	1.1	5.5	mg/kg	807.75
05466	Toluene	108-88-3	9.9	1.1	5.5	mg/kg	807.75
05467	1,1,2-Trichloroethane	79-00-5	N.D.	1.1	5.5	mg/kg	807.75
05468	Tetrachloroethene	127-18-4	N.D.	1.1	5.5	mg/kg	807.75
05470	Dibromochloromethane	124-48-1	N.D.	1.1	5.5	mg/kg	807.75
05472	Chlorobenzene	108-90-7	N.D.	1.1	5.5	mg/kg	807.75
05474	Ethylbenzene	100-41-4	3.0 J	1.1	5.5	mg/kg	807.75
05478	Bromoform	75-25-2	N.D.	1.1	5.5	mg/kg	807.75
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.1	5.5	mg/kg	807.75
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.1	5.5	mg/kg	807.75
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.1	5.5	mg/kg	807.75
06301	Xylene (Total)	1330-20-7	13.	1.1	5.5	mg/kg	807.75
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.2	11.	mg/kg	807.75
07586	Acrolein	107-02-8	N.D.	22.	110.	mg/kg	807.75
07587	Acrylonitrile	107-13-1	N.D.	4.4	22.	mg/kg	807.75

The GC/MS volatile analysis was performed according to the high level

\*=This limit was used in the evaluation of the final result

AR101467

Lancaster Laboratories Sample No. SW 4584259

05-MET-062 Grab Soil Sample  
N(5.25-5.75)  
Former Metro Container Investigation

Collected: 08/15/2005 08:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET62

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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soil method due to the level of target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:32	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 08:16	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101468

Lancaster Laboratories Sample No. SW 4584259

05-MET-062 Grab Soil Sample  
N(5.25-5.75)  
Former Metro Container Investigation

Collected: 08/15/2005 08:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:34  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

**MET62**

05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:24	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 17:07	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 22:46	[REDACTED]	500
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 12:37	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 02:43	[REDACTED]	807.75
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 02:43	[REDACTED]	807.75
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:30	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:07	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:07	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584259  
Sample wt/vol: 6.19 (g/mL) g Lab File ID: HP07566.i/05aug18b.b/rg18s56.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 27 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 807.8  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584259  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh203.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 27 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.898	12	JAB
2.	Unknown	7.846	2.7	J
3.106-44-5	Phenol, 4-methyl-	10.883	2.5	J
4.	Unknown	15.640	3.6	J
5.	Phenol, (1,1,3,3-tetramethyl	17.389	7.4	JX
6.	Unknown Alkane	18.155	3.4	J
7.	Unknown	19.024	3.8	J
8.	Unknown	19.114	4.0	J
9.	Unknown	19.775	3.1	J
10.120-32-1	Clorophene	20.156	3.3	J
11.	Unknown	20.537	3.1	J
12.	Unknown	20.618	4.9	J
13.	Unknown	20.678	5.9	J
14.	Unknown	20.758	10	J
15.	Unknown	20.809	5.7	J
16.	Unknown	20.849	5.8	J
17.	Unknown	20.909	8.7	J
18.	Unknown	21.181	4.8	J
19.	Phenol, 4,4'-methylenebis-	21.352	3.5	JX
20.	Unknown	21.664	6.9	J
21.	Unknown	21.967	2.1	J
22.80-05-7	Phenol, 4,4'-(1-methylethyl	22.068	3.8	J
23.	1,1'-Biphenyl, 3,3',4,4',5,5'	22.614	2.5	JX
24.	1,1'-Biphenyl, 2,3,3',4',5,5'	23.517	2.4	JX
25.	Unknown	37.190	3.9	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101471

Lancaster Laboratories Sample No. SW 4584260

05-MET-063 Grab Soil Sample  
N(1.75-2.25)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:35  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET63

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.338	0.0034	0.127	mg/kg	1
06925	Thallium	7440-28-0	2.85	1.24	2.58	mg/kg	1
06935	Arsenic	7440-38-2	4.60	0.863	2.58	mg/kg	1
06936	Selenium	7782-49-2	1.31 J	1.24	2.58	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.06	2.58	mg/kg	1
06947	Beryllium	7440-41-7	1.24	0.0554	0.644	mg/kg	1
06949	Cadmium	7440-43-9	1.81	0.111	0.644	mg/kg	1
06951	Chromium	7440-47-3	73.6	0.682	1.93	mg/kg	1
06953	Copper	7440-50-8	72.7	0.386	1.29	mg/kg	1
06955	Lead	7439-92-1	197.	1.00	2.58	mg/kg	1
06961	Nickel	7440-02-0	47.5	0.425	1.29	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.245	0.644	mg/kg	1
06972	Zinc	7440-66-6	192.	0.592	2.58	mg/kg	1
00111	Moisture	n.a.	23.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.63	mg/kg	1
Matrix QC was performed on this sample for the cyanide analysis. Please see the attached QC Summary report for the parameter showing a matrix bias.							
05912	Phenols	n.a.	2.2 J	1.6	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0221	0.108	mg/kg	100
01219	Heptachlor	76-44-8	N.D.	0.0221	0.108	mg/kg	100
01220	Aldrin	309-00-2	N.D.	0.0221	0.108	mg/kg	100
01221	p,p-DDT	50-29-3	N.D.	0.0429	0.221	mg/kg	100
01222	Dieldrin	60-57-1	N.D.	0.299	0.299	mg/kg	100
01223	Endrin	72-20-8	N.D.	0.0429	0.221	mg/kg	100
01859	Methoxychlor	72-43-5	N.D.	0.221	1.08	mg/kg	100
01981	Alpha BHC	319-84-6	N.D.	0.0221	0.108	mg/kg	100
01982	Beta BHC	319-85-7	N.D.	0.0221	0.108	mg/kg	100
01983	Delta BHC	319-86-8	N.D.	0.0273	0.108	mg/kg	100
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0221	0.108	mg/kg	100
01985	p,p-DDE	72-55-9	N.D.	0.871	0.871	mg/kg	100
01986	p,p-DDD	72-54-8	N.D.	0.0429	0.221	mg/kg	100
01987	Chlordane	57-74-9	N.D.	2.21	2.21	mg/kg	100
01988	Toxaphene	8001-35-2	N.D.	1.43	4.29	mg/kg	100
01989	Endosulfan I	959-98-8	N.D.	0.0221	0.108	mg/kg	100
01990	Endosulfan II	33213-65-9	N.D.	0.0429	0.221	mg/kg	100

\*=This limit was used in the evaluation of the final result

AR101472

Lancaster Laboratories Sample No. SW 4584260

05-MET-063 Grab Soil Sample  
N(1.75-2.25)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:35  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET63

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0429	0.221	mg/kg	100
01992	Endrin Aldehyde	7421-93-4	N.D.	0.221	0.221	mg/kg	100
01993	PCB-1016	12674-11-2	N.D.	0.962	2.21	mg/kg	100
01994	PCB-1221	11104-28-2	N.D.	0.429	2.21	mg/kg	100
01995	PCB-1232	11141-16-5	N.D.	0.624	2.21	mg/kg	100
01996	PCB-1242	53469-21-9	N.D.	0.390	2.21	mg/kg	100
01997	PCB-1248	12672-29-6	7.74	1.43	4.29	mg/kg	100
01998	PCB-1254	11097-69-1	8.29	0.429	2.21	mg/kg	100
01999	PCB-1260	11096-82-5	7.55	1.43	4.29	mg/kg	100

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.3	6.5	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.43	2.2	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.43	2.2	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.43	2.2	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.43	2.2	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	1.9 J	0.43	2.2	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.87	2.2	mg/kg	10
01191	Acenaphthene	83-32-9	0.48 J	0.43	2.2	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.2	6.5	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.87	2.2	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.2	6.5	mg/kg	10
01195	Pyrene	129-00-0	1.9 J	0.43	2.2	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	2.6	0.43	2.2	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.43	2.2	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.3	2.2	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.43	2.2	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.43	2.2	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.7	26.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.2	6.5	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.87	2.2	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.43	2.2	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.43	2.2	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101473

Lancaster Laboratories Sample No. SW 4584260

05-MET-063 Grab Soil Sample  
N(1.75-2.25)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:35  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET63

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03755	1,2-Dichlorobenzene	95-50-1	0.84	J	0.43	2.2	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.		0.43	2.2	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.		0.43	2.2	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.		0.43	2.2	mg/kg	10
03759	Isophorone	78-59-1	N.D.		0.43	2.2	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.		0.43	2.2	mg/kg	10
03761	Naphthalene	91-20-3	5.9		0.43	2.2	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.		0.87	2.2	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.		2.2	6.5	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.		0.43	2.2	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.		0.43	2.2	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.		0.87	2.2	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.		0.43	2.2	mg/kg	10
03768	Fluorene	86-73-7	0.82	J	0.43	2.2	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.		0.43	2.2	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.		0.87	2.2	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.		0.43	2.2	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.		0.43	2.2	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.								
03773	4-Bromophenyl-phenylether	101-55-3	N.D.		0.43	2.2	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.		0.43	2.2	mg/kg	10
03775	Phenanthrene	85-01-8	2.7		0.43	2.2	mg/kg	10
03776	Anthracene	120-12-7	0.74	J	0.43	2.2	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.		0.87	2.2	mg/kg	10
03778	Fluoranthene	206-44-0	1.0	J	0.43	2.2	mg/kg	10
03779	Benzidine	92-87-5	N.D.		8.7	26.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.		0.87	2.2	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	N.D.		0.43	2.2	mg/kg	10
03782	Chrysene	218-01-9	0.80	J	0.43	2.2	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.		1.3	4.3	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	3.1	J	0.87	4.3	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.		0.87	2.2	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	N.D.		0.43	2.2	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.		0.43	2.2	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	N.D.		0.43	2.2	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.43	2.2	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	N.D.		0.43	2.2	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	N.D.		0.43	2.2	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4584260

05-MET-063 Grab Soil Sample  
N(1.75-2.25)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:35  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET63

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.30	1.5	mg/kg	229.78
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.15	1.5	mg/kg	229.78
02020	t-Butyl alcohol	75-65-0	N.D.	6.0	30.	mg/kg	229.78
05444	Chloromethane	74-87-3	N.D.	0.60	1.5	mg/kg	229.78
05445	Vinyl Chloride	75-01-4	N.D.	0.30	1.5	mg/kg	229.78
05446	Bromomethane	74-83-9	N.D.	0.60	1.5	mg/kg	229.78
05447	Chloroethane	75-00-3	N.D.	0.60	1.5	mg/kg	229.78
05448	Trichlorofluoromethane	75-69-4	N.D.	0.60	1.5	mg/kg	229.78
05449	1,1-Dichloroethene	75-35-4	N.D.	0.30	1.5	mg/kg	229.78
05450	Methylene Chloride	75-09-2	N.D.	0.60	1.5	mg/kg	229.78
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.30	1.5	mg/kg	229.78
05452	1,1-Dichloroethane	75-34-3	N.D.	0.30	1.5	mg/kg	229.78
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.30	1.5	mg/kg	229.78
05455	Chloroform	67-66-3	N.D.	0.30	1.5	mg/kg	229.78
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.30	1.5	mg/kg	229.78
05458	Carbon Tetrachloride	56-23-5	N.D.	0.30	1.5	mg/kg	229.78
05460	Benzene	71-43-2	N.D.	0.15	1.5	mg/kg	229.78
05461	1,2-Dichloroethane	107-06-2	N.D.	0.30	1.5	mg/kg	229.78
05462	Trichloroethene	79-01-6	N.D.	0.30	1.5	mg/kg	229.78
05463	1,2-Dichloropropane	78-87-5	N.D.	0.30	1.5	mg/kg	229.78
05465	Bromodichloromethane	75-27-4	N.D.	0.30	1.5	mg/kg	229.78
05466	Toluene	108-88-3	27.	0.30	1.5	mg/kg	229.78
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.30	1.5	mg/kg	229.78
05468	Tetrachloroethene	127-18-4	2.7	0.30	1.5	mg/kg	229.78
05470	Dibromochloromethane	124-48-1	N.D.	0.30	1.5	mg/kg	229.78
05472	Chlorobenzene	108-90-7	N.D.	0.30	1.5	mg/kg	229.78
05474	Ethylbenzene	100-41-4	14.	0.30	1.5	mg/kg	229.78
05478	Bromoform	75-25-2	N.D.	0.30	1.5	mg/kg	229.78
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.30	1.5	mg/kg	229.78
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.30	1.5	mg/kg	229.78

\*=This limit was used in the evaluation of the final result

AR101475



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 5 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4584260

05-MET-063 Grab Soil Sample  
N(1.75-2.25)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:35  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET63

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.30	1.5	mg/kg	229.78
06301	Xylene (Total)	1330-20-7	64.	0.30	1.5	mg/kg	229.78
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.60	3.0	mg/kg	229.78
07586	Acrolein	107-02-8	N.D.	6.0	30.	mg/kg	229.78
07587	Acrylonitrile	107-13-1	N.D.	1.2	6.0	mg/kg	229.78

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:37	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101476

Lancaster Laboratories Sample No. SW 4584260

05-MET-063 Grab Soil Sample  
N(1.75-2.25)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:35

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**MET63**

06972	Zinc	SW-846 6010B	1	08/17/2005 08:21	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:27	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 18:08	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 23:07	[REDACTED]	100
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 13:23	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 03:06	[REDACTED]	229.78
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 03:06	[REDACTED]	229.78
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:33	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:08	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:08	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584260  
Sample wt/vol: 5.44 (g/mL) g Lab File ID: HP07566.i/05aug18b.b/rg18s57.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 23 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 229.8  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	12.02	36	J
2.	!Unknown alkane	12.56	210	J
3.	!Unknown alkane	12.78	85	J
4.	!Unknown aromatic	12.85	68	J
5.	!Unknown alicyclic	13.03	91	J
6.	!Unknown alkane	13.07	50	J
7.	!Unknown alkane	13.19	37	J
8.	!Unknown aromatic	13.31	39	J
9.	!Unknown aromatic	13.35	50	J
10.	!Unknown alkane	13.41	170	J
11.	!Unknown aromatic	13.49	51	J
12.	!Unknown aromatic	13.57	48	J
13.	!Unknown aromatic	13.61	48	J
14.	!Unknown aromatic	13.71	45	J
15.	!Unknown aromatic	13.84	37	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101478

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4584260  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh204.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 23 Decanted: (Y/N)                      Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH:                      Extraction: Sonic  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	8.042	2.7	J
2.	!Unknown	8.329	2.8	J
3.	!Unknown Alkane	8.656	5.3	J
4.	!Unknown Alkane	9.112	17	J
5.	!Unknown	9.509	27	J
6.	!Unknown Alkane	10.016	5.2	J
7.	!Unknown Alkane	10.294	19	J
8.	!Benzene, 1,3-diethyl-	10.732	43	JX
9.	!Benzene, 1-methyl-4-(1-methyl-)	11.160	8.5	JX
10.	!Unknown	11.359	3.3	J
11.	!Unknown	11.389	4.4	J
12.	!Unknown Alkane	11.469	35	J
13.	!Unknown Alkane	11.558	14	J
14.	!Unknown Alkane	11.628	30	J
15.	!Benzene, 4-ethyl-1,2-dimethyl-	11.698	18	JX
16.	!Unknown	11.738	17	J
17.	!Unknown Cycloalkane	11.897	24	J
18.	!Unknown	11.967	34	J
19.	!Unknown Alkane	12.127	15	J
20.	!Unknown	12.196	14	J
21.	!Unknown Alkane	17.173	19	J
22.	!Unknown Alkane	18.166	41	J
23.	!Unknown Alkane	19.070	21	J
24.	!Unknown Alkane	23.433	16	J
25.	!Unknown	28.735	34	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101479

Lancaster Laboratories Sample No. SW 4584261

05-MET-064S Grab Soil Sample  
N(0.5-1.0)  
Former Metro Container Investigation

Collected: 08/15/2005 09:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET64

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.828	0.0030	0.113	mg/kg	1
06925	Thallium	7440-28-0	3.02	1.09	2.27	mg/kg	1
06935	Arsenic	7440-38-2	6.30	0.762	2.27	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.09	2.27	mg/kg	1
06944	Antimony	7440-36-0	2.64	0.933	2.27	mg/kg	1
06947	Beryllium	7440-41-7	0.364 J	0.0489	0.569	mg/kg	1
06949	Cadmium	7440-43-9	2.54	0.0978	0.569	mg/kg	1
06951	Chromium	7440-47-3	103.	0.603	1.71	mg/kg	1
06953	Copper	7440-50-8	193.	0.341	1.14	mg/kg	1
06955	Lead	7439-92-1	665.	0.887	2.27	mg/kg	1
06961	Nickel	7440-02-0	45.1	0.375	1.14	mg/kg	1
06966	Silver	7440-22-4	0.748	0.216	0.569	mg/kg	1
06972	Zinc	7440-66-6	1,020.	0.523	2.27	mg/kg	1
00111	Moisture	n.a.	13.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.21 J	0.20	0.55	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00394	0.0193	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00394	0.0193	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00394	0.0193	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00766	0.0394	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.0452	0.0452	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00766	0.0394	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0394	0.193	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00394	0.0193	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.0193	0.0193	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00487	0.0193	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00394	0.0193	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0719	0.0719	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00766	0.0394	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.394	0.394	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.255	0.766	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00394	0.0193	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00766	0.0394	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00766	0.0394	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0800	0.0800	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101480

Lancaster Laboratories Sample No. SW 4584261

05-MET-064S Grab Soil Sample

N(0.5-1.0)

Former Metro Container Investigation

Collected: 08/15/2005 09:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:36

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET64

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.172	0.394	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0766	0.394	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.111	0.394	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0696	0.394	mg/kg	20
01997	PCB-1248	12672-29-6	0.765 J	0.255	0.766	mg/kg	20
01998	PCB-1254	11097-69-1	1.28	0.0766	0.394	mg/kg	20
01999	PCB-1260	11096-82-5	1.93	0.255	0.766	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for beta-BHC, 4,4'-DDE, dieldrin, chlordane and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	3.5	17.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.2	5.8	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.2	5.8	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.2	5.8	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.2	5.8	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.2	5.8	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.3	5.8	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	1.2	5.8	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	5.8	17.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.3	5.8	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	5.8	17.	mg/kg	10
01195	Pyrene	129-00-0	1.4 J	1.2	5.8	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	1.2	5.8	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.2	5.8	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	3.5	5.8	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.2	5.8	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.2	5.8	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	23.	70.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.8	17.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.3	5.8	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.2	5.8	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.2	5.8	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.2	5.8	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.2	5.8	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101481

Lancaster Laboratories Sample No. SW 4584261

05-MET-064S Grab Soil Sample  
N(0.5-1.0)  
Former Metro Container Investigation

Collected: 08/15/2005 09:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET64

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	1.2	5.8	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.2	5.8	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.2	5.8	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.2	5.8	mg/kg	10
03761	Naphthalene	91-20-3	2.3 J	1.2	5.8	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.3	5.8	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	5.8	17.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.2	5.8	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.2	5.8	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.3	5.8	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.2	5.8	mg/kg	10
03768	Fluorene	86-73-7	N.D.	1.2	5.8	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.2	5.8	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.3	5.8	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.2	5.8	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.2	5.8	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.2	5.8	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.2	5.8	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	1.2	5.8	mg/kg	10
03776	Anthracene	120-12-7	N.D.	1.2	5.8	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	2.3	5.8	mg/kg	10
03778	Fluoranthene	206-44-0	N.D.	1.2	5.8	mg/kg	10
03779	Benzidine	92-87-5	N.D.	23.	70.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.3	5.8	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	N.D.	1.2	5.8	mg/kg	10
03782	Chrysene	218-01-9	N.D.	1.2	5.8	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	3.5	12.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	7.1 J	2.3	12.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.3	5.8	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	1.3 J	1.2	5.8	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	1.2	5.8	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	N.D.	1.2	5.8	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.2	5.8	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	1.2	5.8	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	1.2	5.8	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR101482

Lancaster Laboratories Sample No. SW 4584261

05-MET-064S Grab Soil Sample  
N(0.5-1.0)  
Former Metro Container Investigation

Collected: 08/15/2005 09:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET64

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.052	0.26	mg/kg	44.56
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	0.26	mg/kg	44.56
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.2	mg/kg	44.56
05444	Chloromethane	74-87-3	N.D.	0.10	0.26	mg/kg	44.56
05445	Vinyl Chloride	75-01-4	N.D.	0.052	0.26	mg/kg	44.56
05446	Bromomethane	74-83-9	N.D.	0.10	0.26	mg/kg	44.56
05447	Chloroethane	75-00-3	N.D.	0.10	0.26	mg/kg	44.56
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.26	mg/kg	44.56
05449	1,1-Dichloroethene	75-35-4	N.D.	0.052	0.26	mg/kg	44.56
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.26	mg/kg	44.56
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.052	0.26	mg/kg	44.56
05452	1,1-Dichloroethane	75-34-3	N.D.	0.052	0.26	mg/kg	44.56
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.052	0.26	mg/kg	44.56
05455	Chloroform	67-66-3	N.D.	0.052	0.26	mg/kg	44.56
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.052	0.26	mg/kg	44.56
05458	Carbon Tetrachloride	56-23-5	N.D.	0.052	0.26	mg/kg	44.56
05460	Benzene	71-43-2	0.027 J	0.026	0.26	mg/kg	44.56
05461	1,2-Dichloroethane	107-06-2	N.D.	0.052	0.26	mg/kg	44.56
05462	Trichloroethene	79-01-6	N.D.	0.052	0.26	mg/kg	44.56
05463	1,2-Dichloropropane	78-87-5	N.D.	0.052	0.26	mg/kg	44.56
05465	Bromodichloromethane	75-27-4	N.D.	0.052	0.26	mg/kg	44.56
05466	Toluene	108-88-3	0.66	0.052	0.26	mg/kg	44.56
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.052	0.26	mg/kg	44.56
05468	Tetrachloroethene	127-18-4	N.D.	0.052	0.26	mg/kg	44.56
05470	Dibromochloromethane	124-48-1	N.D.	0.052	0.26	mg/kg	44.56
05472	Chlorobenzene	108-90-7	N.D.	0.052	0.26	mg/kg	44.56
05474	Ethylbenzene	100-41-4	0.27	0.052	0.26	mg/kg	44.56
05478	Bromoform	75-25-2	N.D.	0.052	0.26	mg/kg	44.56
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.052	0.26	mg/kg	44.56

\*=This limit was used in the evaluation of the final result

AR101483

Lancaster Laboratories Sample No. SW 4584261

05-MET-064S Grab Soil Sample

N(0.5-1.0)

Former Metro Container Investigation

Collected: 08/15/2005 09:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:36

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET64

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.052	0.26	mg/kg	44.56
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.052	0.26	mg/kg	44.56
06301	Xylene (Total)	1330-20-7	1.1	0.052	0.26	mg/kg	44.56
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.52	mg/kg	44.56
07586	Acrolein	107-02-8	N.D.	1.0	5.2	mg/kg	44.56
07587	Acrylonitrile	107-13-1	N.D.	0.21	1.0	mg/kg	44.56

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:38	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101484

Lancaster Laboratories Sample No. SW 4584261

05-MET-064S Grab Soil Sample  
N(0.5-1.0)  
Former Metro Container Investigation

Collected: 08/15/2005 09:55

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

**MET64**

06966	Silver	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 08:26	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:31	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 17:14	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 23:27	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 14:08	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 06:01	[REDACTED]	44.56
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 06:01	[REDACTED]	44.56
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:36	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:09	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:09	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584261  
Sample wt/vol: 5.61 (g/mL) g Lab File ID: HP07566.i/05aug19a.b/rg19s01.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 14 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 44.6  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	10.04	0.73	J
2.	!Unknown alicyclic	10.19	0.76	J
3.	!Unknown alicyclic	10.72	1.1	J
4.	!Unknown alicyclic	10.77	0.81	J
5.	!Unknown alicyclic	10.82	0.98	J
6.	!Unknown alicyclic	11.04	1.5	J
7.	!Unknown alicyclic	11.77	0.76	J
8.	!Unknown alicyclic	12.02	1.1	J
9.	!Unknown alkane	12.56	2.4	J
10.	!Unknown alkane	12.78	0.91	J
11.	!Unknown aromatic	12.85	0.73	J
12.	!Unknown alkane	12.94	0.52	J
13.	!Unknown alicyclic	13.03	0.92	J
14.	!Unknown alkane	13.41	1.6	J
15.	!Unknown aromatic	13.56	0.62	J
16.				
17.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101486

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4584261  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh205.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 14 Decanted: (Y/N)                      Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH:                      Extraction: Sonic  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.859	31	JAB
2.	!Unknown Cycloalkane	7.274	9.4	J
3.	!Unknown Cycloalkane	7.829	20	J
4.	!Unknown Cycloalkane	8.324	8.8	J
5.	!Unknown Alkane	8.769	31	J
6.	!Unknown Alkane	9.116	32	J
7.	!Unknown Cycloalkane	9.612	64	J
8.	!Unknown Cycloalkane	10.397	38	J
9.	!Unknown	10.655	68	J
10.	!Unknown Cycloalkane	11.152	15	J
11.	!Unknown	11.350	10	J
12.	!Unknown	11.390	16	J
13.	!Unknown Alkane	11.470	21	J
14.	!Unknown Alkane	11.619	27	J
15.	!Unknown Cycloalkane	11.887	21	J
16.	!Unknown	11.967	26	J
17.	!Unknown Alkane	12.126	23	J
18.	!Unknown Alkane	12.603	21	J
19.	!Unknown	14.289	65	J
20.	!Unknown	20.673	21	J
21.	!Unknown	21.640	57	J
22.	!Unknown	21.700	19	J
23.	!Unknown	22.822	28	J
24.	!Unknown	23.004	78	J
25.	!Unknown	23.167	21	J
26.				
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101487

Lancaster Laboratories Sample No. SW 4584262

05-MET-065 Grab Soil Sample  
N(11.75-12.25)  
Former Metro Container Investigation

Collected: 08/15/2005 10:20

by

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET65

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0032	0.118	mg/kg	1
06925	Thallium	7440-28-0	1.84 J	1.18	2.45	mg/kg	1
06935	Arsenic	7440-38-2	2.20 J	0.822	2.45	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.18	2.45	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.01	2.45	mg/kg	1
06947	Beryllium	7440-41-7	0.631	0.0528	0.613	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.106	0.613	mg/kg	1
06951	Chromium	7440-47-3	24.4	0.650	1.84	mg/kg	1
06953	Copper	7440-50-8	11.1	0.368	1.23	mg/kg	1
06955	Lead	7439-92-1	6.88	0.957	2.45	mg/kg	1
06961	Nickel	7440-02-0	14.5	0.405	1.23	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.233	0.613	mg/kg	1
06972	Zinc	7440-66-6	34.9	0.564	2.45	mg/kg	1
00111	Moisture	n.a.	18.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00209	0.0102	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00209	0.0102	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00209	0.0102	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00405	0.0209	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00405	0.0209	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00405	0.0209	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0209	0.102	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00209	0.0102	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00209	0.0102	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00258	0.0102	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00209	0.0102	mg/kg	10
01985	p,p-DDE	72-55-9	0.0127 J	0.00405	0.0209	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00405	0.0209	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0491	0.209	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.135	0.405	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00209	0.0102	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00405	0.0209	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00405	0.0209	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00405	0.0209	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101488

Lancaster Laboratories Sample No. SW 4584262

05-MET-065 Grab Soil Sample  
N(11.75-12.25)  
Former Metro Container Investigation

Collected: 08/15/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET65

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0908	0.209	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0405	0.209	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0589	0.209	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0368	0.209	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.405	0.405	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.209	0.209	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.405	0.405	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable aroclor-1248, aroclor-1254 and aroclor-1260.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.2	6.1	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.41	2.0	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.41	2.0	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.41	2.0	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.41	2.0	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.41	2.0	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.82	2.0	mg/kg	10
01191	Acenaphthene	83-32-9	1.4 J	0.41	2.0	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.0	6.1	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.82	2.0	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.0	6.1	mg/kg	10
01195	Pyrene	129-00-0	6.5	0.41	2.0	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	4.0	0.41	2.0	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.41	2.0	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.2	2.0	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.41	2.0	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.41	2.0	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.2	25.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.0	6.1	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.82	2.0	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.41	2.0	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.41	2.0	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101489

Lancaster Laboratories Sample No. SW 4584262

05-MET-065 Grab Soil Sample  
N(11.75-12.25)  
Former Metro Container Investigation

Collected: 08/15/2005 10:20

by

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET65

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.41	2.0	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.41	2.0	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.41	2.0	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.41	2.0	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.41	2.0	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.41	2.0	mg/kg	10
03761	Naphthalene	91-20-3	3.3	0.41	2.0	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.82	2.0	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.0	6.1	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.41	2.0	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.41	2.0	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.82	2.0	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.41	2.0	mg/kg	10
03768	Fluorene	86-73-7	0.88 J	0.41	2.0	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.41	2.0	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.82	2.0	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.41	2.0	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.41	2.0	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.41	2.0	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.41	2.0	mg/kg	10
03775	Phenanthrene	85-01-8	6.4	0.41	2.0	mg/kg	10
03776	Anthracene	120-12-7	2.8	0.41	2.0	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.82	2.0	mg/kg	10
03778	Fluoranthene	206-44-0	1.2 J	0.41	2.0	mg/kg	10
03779	Benzidine	92-87-5	N.D.	8.2	25.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.82	2.0	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	4.3	0.41	2.0	mg/kg	10
03782	Chrysene	218-01-9	6.2	0.41	2.0	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.2	4.1	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.82	4.1	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.82	2.0	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	0.73 J	0.41	2.0	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.41	2.0	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	1.4 J	0.41	2.0	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.41	2.0	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	0.44 J	0.41	2.0	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	0.42 J	0.41	2.0	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the

\*=This limit was used in the evaluation of the final result

AR101490

Lancaster Laboratories Sample No. SW 4584262

05-MET-065 Grab Soil Sample  
N(11.75-12.25)  
Former Metro Container Investigation

Collected: 08/15/2005 10:20

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET65

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.						
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.036	0.18	mg/kg	29.52
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.018	0.18	mg/kg	29.52
02020	t-Butyl alcohol	75-65-0	N.D.	0.72	3.6	mg/kg	29.52
05444	Chloromethane	74-87-3	N.D.	0.072	0.18	mg/kg	29.52
05445	Vinyl Chloride	75-01-4	N.D.	0.036	0.18	mg/kg	29.52
05446	Bromomethane	74-83-9	N.D.	0.072	0.18	mg/kg	29.52
05447	Chloroethane	75-00-3	N.D.	0.072	0.18	mg/kg	29.52
05448	Trichlorofluoromethane	75-69-4	N.D.	0.072	0.18	mg/kg	29.52
05449	1,1-Dichloroethene	75-35-4	N.D.	0.036	0.18	mg/kg	29.52
05450	Methylene Chloride	75-09-2	N.D.	0.072	0.18	mg/kg	29.52
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.036	0.18	mg/kg	29.52
05452	1,1-Dichloroethane	75-34-3	N.D.	0.036	0.18	mg/kg	29.52
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.036	0.18	mg/kg	29.52
05455	Chloroform	67-66-3	N.D.	0.036	0.18	mg/kg	29.52
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.036	0.18	mg/kg	29.52
05458	Carbon Tetrachloride	56-23-5	N.D.	0.036	0.18	mg/kg	29.52
05460	Benzene	71-43-2	0.23	0.018	0.18	mg/kg	29.52
05461	1,2-Dichloroethane	107-06-2	N.D.	0.036	0.18	mg/kg	29.52
05462	Trichloroethene	79-01-6	N.D.	0.036	0.18	mg/kg	29.52
05463	1,2-Dichloropropane	78-87-5	N.D.	0.036	0.18	mg/kg	29.52
05465	Bromodichloromethane	75-27-4	N.D.	0.036	0.18	mg/kg	29.52
05466	Toluene	108-88-3	1.2	0.036	0.18	mg/kg	29.52
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.036	0.18	mg/kg	29.52
05468	Tetrachloroethene	127-18-4	N.D.	0.036	0.18	mg/kg	29.52
05470	Dibromochloromethane	124-48-1	N.D.	0.036	0.18	mg/kg	29.52
05472	Chlorobenzene	108-90-7	N.D.	0.036	0.18	mg/kg	29.52
05474	Ethylbenzene	100-41-4	1.8	0.036	0.18	mg/kg	29.52
05478	Bromoform	75-25-2	N.D.	0.036	0.18	mg/kg	29.52
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.036	0.18	mg/kg	29.52
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.036	0.18	mg/kg	29.52
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.036	0.18	mg/kg	29.52
06301	Xylene (Total)	1330-20-7	6.5	0.036	0.18	mg/kg	29.52
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.072	0.36	mg/kg	29.52

\*=This limit was used in the evaluation of the final result

AR101491



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 5 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4584262

05-MET-065 Grab Soil Sample

N(11.75-12.25)

Former Metro Container Investigation

Collected: 08/15/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:36

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET65

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07586	Acrolein	107-02-8	N.D.	0.72	3.6	mg/kg	29.52
07587	Acrylonitrile	107-13-1	N.D.	0.14	0.72	mg/kg	29.52

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00159	Mercury	SW-846 7471A	1	08/17/2005 10:39	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101492

Lancaster Laboratories Sample No. SW 4584262

05-MET-065 Grab Soil Sample  
N(11.75-12.25)  
Former Metro Container Investigation

Collected: 08/15/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:36  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

**MET65**

06966	Silver	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 08:31	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:32	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 17:15	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/19/2005 23:48	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 18:04	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 13:29	[REDACTED]	29.52
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 13:29	[REDACTED]	29.52
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:38	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:10	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:10	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584262  
Sample wt/vol: 8.47 (g/mL) g Lab File ID: HP07566.i/05aug19a.b/rg19s20.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 18 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 29.5  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.50	5.6	J
2.	!Unknown alkane	12.56	7.6	J
3.	!Unknown aromatic	12.73	3.9	J
4.	!Unknown aromatic	12.85	6.8	J
5.	!Unknown aromatic	13.31	5.2	J
6.	!Unknown aromatic	13.35	3.7	J
7.	!Unknown aromatic	13.62	3.4	J
8.	!Unknown aromatic	13.72	4.2	J
9.	!Unknown aromatic	14.13	4.7	J
10.	!Unknown aromatic	14.24	8.8	J
11.	!Unknown aromatic	14.44	3.8	J
12.	!Unknown aromatic	14.54	6.8	J
13. 91-20-3	!Naphthalene	14.67	3.8	J
14.	!Unknown	14.81	3.8	J
15.	!Unknown aromatic	15.03	4.1	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101494

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4584262  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh212.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH:                      Extraction: Sonic  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	9.646	35	J
2.	!Unknown Alkane	12.498	50	J
3.	!Unknown Alkane	13.755	52	J
4.	!Unknown Alkane	14.934	61	J
5.	!Unknown Alkane	16.036	55	J
6.	!Unknown Alkane	16.698	27	J
7.	!Unknown Alkane	17.069	58	J
8.	!Unknown	17.501	26	J
9.	!Unknown Alkane	18.054	44	J
10.	!Unknown Alkane	18.971	44	J
11.	!Unknown Alkane	19.798	44	J
12.	!Unknown Alkane	20.091	19	J
13.	!Unknown Alkane	20.556	41	J
14.	!Unknown Alkane	21.254	38	J
15.	!Unknown Alkane	21.913	12	J
16.	!Unknown Alkane	22.532	9.5	J
17.	!Unknown Alkane	22.736	7.3	J
18.	!Unknown Alkane	23.122	8.2	J
19.	!Unknown Alkane	23.315	7.0	J
20.	!Unknown Alkane	23.509	7.2	J
21.	!Unknown Alkane	23.743	9.8	J
22.	!Unknown Alkane	23.977	11	J
23.	!Unknown Alkane	24.456	7.7	J
24.	!Unknown Alkane	24.721	9.1	J
25.	!Unknown Alkane	25.303	6.0	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101495

Lancaster Laboratories Sample No. SW 4584263

05-MET-065A Grab Soil Sample

FD(11.75-12.25)

Former Metro Container Investigation

Collected: 08/15/2005 10:25

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:37

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT65A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0032	0.120	mg/kg	1
06925	Thallium	7440-28-0	1.98 J	1.16	2.42	mg/kg	1
06935	Arsenic	7440-38-2	2.33 J	0.812	2.42	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.16	2.42	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.994	2.42	mg/kg	1
06947	Beryllium	7440-41-7	0.662	0.0521	0.606	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.104	0.606	mg/kg	1
06951	Chromium	7440-47-3	22.9	0.642	1.82	mg/kg	1
06953	Copper	7440-50-8	11.1	0.364	1.21	mg/kg	1
06955	Lead	7439-92-1	6.92	0.945	2.42	mg/kg	1
06961	Nickel	7440-02-0	13.9	0.400	1.21	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.230	0.606	mg/kg	1
06972	Zinc	7440-66-6	35.6	0.557	2.42	mg/kg	1
00111	Moisture	n.a.	19.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.60	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00210	0.0103	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00210	0.0103	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00210	0.0103	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00408	0.0210	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00408	0.0210	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00408	0.0210	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0210	0.103	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00210	0.0103	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00210	0.0103	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00260	0.0103	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00210	0.0103	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00408	0.0210	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00408	0.0210	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0494	0.210	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.136	0.408	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00210	0.0103	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00408	0.0210	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00408	0.0210	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00408	0.0210	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101496

Lancaster Laboratories Sample No. SW 4584263

05-MET-065A Grab Soil Sample  
FD(11.75-12.25)  
Former Metro Container Investigation

Collected: 08/15/2005 10:25

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:37  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT65A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0915	0.210	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0408	0.210	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0593	0.210	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0371	0.210	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.136	0.408	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0408	0.210	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.136	0.408	mg/kg	10

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.37	1.9	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.12	0.62	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.12	0.62	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.12	0.62	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.12	0.62	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.12	0.62	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.25	0.62	mg/kg	1
01191	Acenaphthene	83-32-9	1.5	0.12	0.62	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.62	1.9	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.25	0.62	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.62	1.9	mg/kg	1
01195	Pyrene	129-00-0	6.1	0.12	0.62	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	4.4	0.12	0.62	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.12	0.62	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.37	0.62	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.12	0.62	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.12	0.62	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	2.5	7.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.62	1.9	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.25	0.62	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.12	0.62	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.12	0.62	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.12	0.62	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.12	0.62	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.12	0.62	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.12	0.62	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.12	0.62	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.12	0.62	mg/kg	1
03761	Naphthalene	91-20-3	3.3	0.12	0.62	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101497

Lancaster Laboratories Sample No. SW 4584263

05-MET-065A Grab Soil Sample

FD(11.75-12.25)

Former Metro Container Investigation

Collected: 08/15/2005 10:25

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:37

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT65A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.25	0.62	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.62	1.9	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.12	0.62	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.12	0.62	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.25	0.62	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.12	0.62	mg/kg	1
03768	Fluorene	86-73-7	1.0	0.12	0.62	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.12	0.62	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.25	0.62	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.12	0.62	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.12	0.62	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.12	0.62	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.12	0.62	mg/kg	1
03775	Phenanthrene	85-01-8	6.8	0.12	0.62	mg/kg	1
03776	Anthracene	120-12-7	3.0	0.12	0.62	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.25	0.62	mg/kg	1
03778	Fluoranthene	206-44-0	0.92	0.12	0.62	mg/kg	1
03779	Benzidine	92-87-5	N.D.	2.5	7.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.25	0.62	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	5.5	0.12	0.62	mg/kg	1
03782	Chrysene	218-01-9	6.5	0.12	0.62	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.37	1.2	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.25	1.2	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.25	0.62	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.74	0.12	0.62	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.13 J	0.12	0.62	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.6	0.12	0.62	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.30 J	0.12	0.62	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.51 J	0.12	0.62	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.54 J	0.12	0.62	mg/kg	1

The GC/MS semivolatiles internal standard peak areas were outside of the QC limits for both the initial injection and the re-injection. The values here are from the initial injection of the sample.

Due to insufficient sample, the reporting limits for the GC/MS semivolatiles compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

AR101498

Lancaster Laboratories Sample No. SW 4584263

05-MET-065A Grab Soil Sample

FD(11.75-12.25)

Former Metro Container Investigation

Collected: 08/15/2005 10:25

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:37

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT65A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.046	0.23	mg/kg	37.48
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.023	0.23	mg/kg	37.48
02020	t-Butyl alcohol	75-65-0	N.D.	0.93	4.6	mg/kg	37.48
05444	Chloromethane	74-87-3	N.D.	0.093	0.23	mg/kg	37.48
05445	Vinyl Chloride	75-01-4	N.D.	0.046	0.23	mg/kg	37.48
05446	Bromomethane	74-83-9	N.D.	0.093	0.23	mg/kg	37.48
05447	Chloroethane	75-00-3	N.D.	0.093	0.23	mg/kg	37.48
05448	Trichlorofluoromethane	75-69-4	N.D.	0.093	0.23	mg/kg	37.48
05449	1,1-Dichloroethene	75-35-4	N.D.	0.046	0.23	mg/kg	37.48
05450	Methylene Chloride	75-09-2	N.D.	0.093	0.23	mg/kg	37.48
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.046	0.23	mg/kg	37.48
05452	1,1-Dichloroethane	75-34-3	N.D.	0.046	0.23	mg/kg	37.48
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.046	0.23	mg/kg	37.48
05455	Chloroform	67-66-3	N.D.	0.046	0.23	mg/kg	37.48
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.046	0.23	mg/kg	37.48
05458	Carbon Tetrachloride	56-23-5	N.D.	0.046	0.23	mg/kg	37.48
05460	Benzene	71-43-2	N.D.	0.023	0.23	mg/kg	37.48
05461	1,2-Dichloroethane	107-06-2	N.D.	0.046	0.23	mg/kg	37.48
05462	Trichloroethene	79-01-6	N.D.	0.046	0.23	mg/kg	37.48
05463	1,2-Dichloropropane	78-87-5	N.D.	0.046	0.23	mg/kg	37.48
05465	Bromodichloromethane	75-27-4	N.D.	0.046	0.23	mg/kg	37.48
05466	Toluene	108-88-3	0.95	0.046	0.23	mg/kg	37.48
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.046	0.23	mg/kg	37.48
05468	Tetrachloroethene	127-18-4	N.D.	0.046	0.23	mg/kg	37.48
05470	Dibromochloromethane	124-48-1	N.D.	0.046	0.23	mg/kg	37.48
05472	Chlorobenzene	108-90-7	N.D.	0.046	0.23	mg/kg	37.48
05474	Ethylbenzene	100-41-4	1.5	0.046	0.23	mg/kg	37.48
05478	Bromoform	75-25-2	N.D.	0.046	0.23	mg/kg	37.48
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.046	0.23	mg/kg	37.48
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.046	0.23	mg/kg	37.48
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.046	0.23	mg/kg	37.48
06301	Xylene (Total)	1330-20-7	5.4	0.046	0.23	mg/kg	37.48
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.093	0.46	mg/kg	37.48
07586	Acrolein	107-02-8	N.D.	0.93	4.6	mg/kg	37.48
07587	Acrylonitrile	107-13-1	N.D.	0.19	0.93	mg/kg	37.48

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting

\*=This limit was used in the evaluation of the final result

AR101499



# Analysis Report

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REVISED

Lancaster Laboratories Sample No. SW 4584263

05-MET-065A Grab Soil Sample

FD(11.75-12.25)

Former Metro Container Investigation

Collected: 08/15/2005 10:25

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:37

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT65A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:40	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 08:35	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:33	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101500

Lancaster Laboratories Sample No. SW 4584263

05-MET-065A Grab Soil Sample

FD(11.75-12.25)

Former Metro Container Investigation

Collected: 08/15/2005 10:25

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:37

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT65A

05912	Phenols	SW846 9066	1	08/19/2005 17:17	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 00:08	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 18:50	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 13:51	[REDACTED]	37.48
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 13:51	[REDACTED]	37.48
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:52	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:11	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:11	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584263  
Sample wt/vol: 6.67 (g/mL) g Lab File ID: HP07566.i/05aug19a.b/rg19s21.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 19 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 37.5  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	10.04	6.3	J
2.	!Unknown aromatic	12.50	4.9	J
3.	!Unknown alkane	12.56	12	J
4.	!Unknown aromatic	12.85	6.6	J
5.	!Unknown alicyclic	13.02	4.2	J
6.	!Unknown aromatic	13.31	5.2	J
7.	!Unknown aromatic	13.35	3.8	J
8.	!Unknown alkane	13.41	4.5	J
9.	!Unknown aromatic	13.72	4.2	J
10.	!Unknown aromatic	14.13	4.8	J
11.	!Unknown aromatic	14.24	8.6	J
12.	!Unknown aromatic	14.44	3.8	J
13.	!Unknown aromatic	14.54	6.9	J
14.	!Unknown	14.81	4.0	J
15.	!Unknown aromatic	15.03	4.1	J
16.				
17.				
18.				
19.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101502

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584263  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh213.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 19 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sonc

CONCENTRATION UNITS:

Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.838	19	JAB
2.	Unknown Alkane	7.938	7.6	J
3.	Unknown Alkane	9.655	15	J
4.	Unknown	10.291	7.3	J
5.	Unknown Alkane	10.719	6.3	J
6.	Indan, 1-methyl-	12.034	8.8	JX
7.	Unknown Alkane	12.523	20	J
8.	Unknown	13.152	7.0	J
9.	Unknown Alkane	13.782	22	J
10.	Unknown Alkane	14.964	79	J
11.	Naphthalene, 1,8-dimethyl-	15.515	30	JX
12.	Unknown	15.596	28	J
13.	Unknown Alkane	16.067	73	J
14.	Unknown Alkane	16.711	36	J
15.	Unknown Alkane	17.103	92	J
16.	Unknown Alkane	17.546	45	J
17.	Unknown Alkane	18.090	80	J
18.	Unknown Alkane	19.008	74	J
19.	Unknown Alkane	19.836	67	J
20.	Unknown Alkane	20.605	57	J
21.	Unknown Alkane	21.305	52	J
22.	Unknown Alkane	21.965	13	J
23.	Unknown Alkane	22.575	12	J
24.	Unknown Alkane	23.797	11	J
25.	Unknown	24.011	12	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101503

Lancaster Laboratories Sample No. SW 4584264

05-MET-065B Grab Soil Sample  
N(21.25-21.75)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:37  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT65B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0033	0.123	mg/kg	1
06925	Thallium	7440-28-0	11.2 J	5.78	12.0	mg/kg	5
The quantitation limits for all ICP elements except copper were increased due to the nature of the sample matrix.							
06935	Arsenic	7440-38-2	N.D.	4.04	12.0	mg/kg	5
The quantitation limit for arsenic was increased due to the nature of the sample matrix.							
06936	Selenium	7782-49-2	N.D.	5.78	12.0	mg/kg	5
06944	Antimony	7440-36-0	N.D.	4.94	12.0	mg/kg	5
06947	Beryllium	7440-41-7	1.82 J	0.259	3.01	mg/kg	5
06949	Cadmium	7440-43-9	1.41 J	0.518	3.01	mg/kg	5
06951	Chromium	7440-47-3	345.	3.19	9.03	mg/kg	5
06953	Copper	7440-50-8	33.4	0.361	1.20	mg/kg	1
06955	Lead	7439-92-1	45.0	4.70	12.0	mg/kg	5
06961	Nickel	7440-02-0	128.	1.99	6.02	mg/kg	5
06966	Silver	7440-22-4	N.D.	1.14	3.01	mg/kg	5
06972	Zinc	7440-66-6	85.9	2.77	12.0	mg/kg	5
00111	Moisture	n.a.	19.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.61	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00211	0.0103	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00211	0.0103	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00211	0.0103	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00409	0.0211	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00409	0.0211	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00409	0.0211	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0211	0.103	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00211	0.0103	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00211	0.0103	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00261	0.0103	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00211	0.0103	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00409	0.0211	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00409	0.0211	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0496	0.211	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.136	0.409	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101504

Lancaster Laboratories Sample No. SW 4584264

05-MET-065B Grab Soil Sample

N(21.25-21.75)

Former Metro Container Investigation

Collected: 08/15/2005 11:00

by █

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:37

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT65B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01989	Endosulfan I	959-98-8	N.D.	0.00211	0.0103	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00409	0.0211	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00409	0.0211	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00409	0.0211	mg/kg	10
01993	PCB-1016	12674-11-2	N.D.	0.0918	0.211	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0409	0.211	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0596	0.211	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0372	0.211	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.136	0.409	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0409	0.211	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.136	0.409	mg/kg	10

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.2	6.2	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.41	2.1	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.41	2.1	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.41	2.1	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.41	2.1	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.41	2.1	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.83	2.1	mg/kg	10
01191	Acenaphthene	83-32-9	2.1	0.41	2.1	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.1	6.2	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.83	2.1	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.1	6.2	mg/kg	10
01195	Pyrene	129-00-0	11.	0.41	2.1	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	7.8	0.41	2.1	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.41	2.1	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.2	2.1	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.41	2.1	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.41	2.1	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.3	25.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.1	6.2	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.83	2.1	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.41	2.1	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.41	2.1	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.41	2.1	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.41	2.1	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.41	2.1	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101505

Lancaster Laboratories Sample No. SW 4584264

05-MET-065B Grab Soil Sample  
N(21.25-21.75)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:37  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT65B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.41	2.1	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.41	2.1	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.41	2.1	mg/kg	10
03761	Naphthalene	91-20-3	6.5	0.41	2.1	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.83	2.1	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.1	6.2	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.41	2.1	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.41	2.1	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.83	2.1	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.41	2.1	mg/kg	10
03768	Fluorene	86-73-7	1.5 J	0.41	2.1	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.41	2.1	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.83	2.1	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.41	2.1	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.41	2.1	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.41	2.1	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.41	2.1	mg/kg	10
03775	Phenanthrene	85-01-8	9.5	0.41	2.1	mg/kg	10
03776	Anthracene	120-12-7	4.7	0.41	2.1	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.83	2.1	mg/kg	10
03778	Fluoranthene	206-44-0	1.7 J	0.41	2.1	mg/kg	10
03779	Benzidine	92-87-5	N.D.	8.3	25.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.83	2.1	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	6.9	0.41	2.1	mg/kg	10
03782	Chrysene	218-01-9	9.9	0.41	2.1	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.2	4.1	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.83	4.1	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.83	2.1	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	1.3 J	0.41	2.1	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.41	2.1	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	2.7	0.41	2.1	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.41	2.1	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	0.69 J	0.41	2.1	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	0.95 J	0.41	2.1	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4584264

05-MET-065B Grab Soil Sample  
N(21.25-21.75)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:37  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT65B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	mg/kg	40.65
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	40.65
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.0	mg/kg	40.65
05444	Chloromethane	74-87-3	N.D.	0.10	0.25	mg/kg	40.65
05445	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	mg/kg	40.65
05446	Bromomethane	74-83-9	N.D.	0.10	0.25	mg/kg	40.65
05447	Chloroethane	75-00-3	N.D.	0.10	0.25	mg/kg	40.65
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	mg/kg	40.65
05449	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	mg/kg	40.65
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.25	mg/kg	40.65
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	mg/kg	40.65
05452	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	mg/kg	40.65
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	mg/kg	40.65
05455	Chloroform	67-66-3	N.D.	0.050	0.25	mg/kg	40.65
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	mg/kg	40.65
05458	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	mg/kg	40.65
05460	Benzene	71-43-2	0.53	0.025	0.25	mg/kg	40.65
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	mg/kg	40.65
05462	Trichloroethene	79-01-6	N.D.	0.050	0.25	mg/kg	40.65
05463	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	mg/kg	40.65
05465	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	mg/kg	40.65
05466	Toluene	108-88-3	4.3	0.050	0.25	mg/kg	40.65
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	mg/kg	40.65
05468	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	mg/kg	40.65
05470	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	mg/kg	40.65
05472	Chlorobenzene	108-90-7	N.D.	0.050	0.25	mg/kg	40.65
05474	Ethylbenzene	100-41-4	3.9	0.050	0.25	mg/kg	40.65
05478	Bromoform	75-25-2	N.D.	0.050	0.25	mg/kg	40.65
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	mg/kg	40.65
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	mg/kg	40.65
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	mg/kg	40.65
06301	Xylene (Total)	1330-20-7	19.	0.050	0.25	mg/kg	40.65
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.50	mg/kg	40.65

\*=This limit was used in the evaluation of the final result

AR101507



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

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REVISED

Lancaster Laboratories Sample No. SW 4584264

05-MET-065B Grab Soil Sample

N(21.25-21.75)

Former Metro Container Investigation

Collected: 08/15/2005 11:00

by

Account Number: 11549

Submitted: 08/15/2005 18:00

Montgomery Watson Harza

Reported: 09/28/2005 at 13:37

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

MT65B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07586	Acrolein	107-02-8	N.D.	1.0	5.0	mg/kg	40.65
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	40.65

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:41		1
06925	Thallium	SW-846 6010B	1	08/18/2005 18:24		5
06935	Arsenic	SW-846 6010B	1	08/22/2005 01:58		5
06936	Selenium	SW-846 6010B	1	08/18/2005 18:24		5
06944	Antimony	SW-846 6010B	1	08/18/2005 18:24		5
06947	Beryllium	SW-846 6010B	1	08/18/2005 18:24		5
06949	Cadmium	SW-846 6010B	1	08/18/2005 18:24		5
06951	Chromium	SW-846 6010B	1	08/18/2005 18:24		5
06953	Copper	SW-846 6010B	1	08/17/2005 08:49		1
06955	Lead	SW-846 6010B	1	08/18/2005 18:24		5
06961	Nickel	SW-846 6010B	1	08/18/2005 18:24		5

\*=This limit was used in the evaluation of the final result

AR101508

Lancaster Laboratories Sample No. SW 4584264

05-MET-065B Grab Soil Sample  
N(21.25-21.75)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:37

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MT65B

06966	Silver	SW-846 6010B	1	08/18/2005 18:24	[REDACTED]	5
06972	Zinc	SW-846 6010B	1	08/18/2005 18:24	[REDACTED]	5
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:34	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 17:18	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 00:29	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 03:41	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 14:14	[REDACTED]	40.65
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 14:14	[REDACTED]	40.65
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:45	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:12	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:12	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584264  
Sample wt/vol: 6.15 (g/mL) g Lab File ID: HP07566.i/05aug19a.b/rg19s22.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 19 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 40.7  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	10.04	27	J
2.	!Unknown aromatic	12.50	15	J
3.	!Unknown alkane	12.56	39	J
4.	!Unknown aromatic	12.73	15	J
5.	!Unknown aromatic	12.85	27	J
6.	!Unknown alicyclic	13.03	13	J
7.	!Unknown aromatic	13.32	19	J
8.	!Unknown aromatic	13.35	16	J
9.	!Unknown alkane	13.41	14	J
10.	!Unknown aromatic	13.72	14	J
11.	!Unknown aromatic	14.13	17	J
12.	!Unknown aromatic	14.24	29	J
13.	!Unknown aromatic	14.44	13	J
14.	!Unknown aromatic	14.54	21	J
15. 91-20-3	!Naphthalene	14.67	12	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101510

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584264  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh223.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 19 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	9.062	24	J
2.	!Unknown Alkane	9.648	59	J
3.	!Unknown Alkane	10.611	27	J
4.	!1H-Indene, 2,3-dihydro-5-met	12.034	38	JX
5.	!Unknown Alkane	12.503	98	J
6.	!Unknown Alkane	13.760	120	J
7.	!Unknown Alkane	14.930	120	J
8.	!Unknown Alkane	16.033	100	J
9.	!Unknown Alkane	16.695	49	J
10.	!Unknown Alkane	17.077	88	J
11.	!Unknown Alkane	17.509	64	J
12.	!Unknown Alkane	18.063	37	J
13.	!Unknown Alkane	18.969	37	J
14.	!Unknown Alkane	19.797	42	J
15.	!Unknown Alkane	20.110	18	J
16.	!Unknown Alkane	20.282	18	J
17.	!Unknown Alkane	20.555	26	J
18.	!Unknown Alkane	21.254	24	J
19.	!Unknown Alkane	21.914	26	J
20.	!Unknown Alkane	22.300	21	J
21.	!Unknown Alkane	22.534	24	J
22.	!Unknown Alkane	22.738	26	J
23.	!Unknown Alkane	23.328	26	J
24.	!Unknown Alkane	23.971	26	J
25.	!Unknown Alkane	24.736	32	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101511

Lancaster Laboratories Sample No. SW 4584265

05-MET-065V Grab Soil Sample

N(29-29.5)

Former Metro Container Investigation

Collected: 08/15/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:38

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT65V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0030	0.111	mg/kg	1
06925	Thallium	7440-28-0	5.36	1.11	2.31	mg/kg	1
06935	Arsenic	7440-38-2	N.D.	0.773	2.31	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.11	2.31	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.946	2.31	mg/kg	1
06947	Beryllium	7440-41-7	1.34	0.0496	0.577	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0992	0.577	mg/kg	1
06951	Chromium	7440-47-3	330.	0.611	1.73	mg/kg	1
06953	Copper	7440-50-8	4.59	0.346	1.15	mg/kg	1
06955	Lead	7439-92-1	3.55	0.900	2.31	mg/kg	1
06961	Nickel	7440-02-0	131.	0.381	1.15	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.219	0.577	mg/kg	1
06972	Zinc	7440-66-6	67.1	0.531	2.31	mg/kg	1
00111	Moisture	n.a.	13.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.20	0.56	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.0	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00196	0.00957	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00196	0.00957	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00196	0.00957	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00381	0.0196	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00381	0.0196	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00381	0.0196	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0196	0.0957	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00196	0.00957	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00196	0.00957	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00242	0.00957	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00196	0.00957	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00381	0.0196	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00381	0.0196	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0461	0.196	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.127	0.381	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00196	0.00957	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00381	0.0196	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00381	0.0196	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00381	0.0196	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101512

Lancaster Laboratories Sample No. SW 4584265

05-MET-065V Grab Soil Sample  
N(29-29.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:38  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT65V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0854	0.196	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0381	0.196	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0554	0.196	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0346	0.196	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.127	0.381	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0381	0.196	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.127	0.381	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.35	1.7	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.12	0.58	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.12	0.58	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.12	0.58	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.12	0.58	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.12	0.58	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.23	0.58	mg/kg	1
01191	Acenaphthene	83-32-9	0.42	0.12	0.58	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.58	1.7	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.23	0.58	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.58	1.7	mg/kg	1
01195	Pyrene	129-00-0	2.0	0.12	0.58	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	1.1	0.12	0.58	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.12	0.58	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.35	0.58	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.12	0.58	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.12	0.58	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	2.3	6.9	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.58	1.7	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.23	0.58	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.12	0.58	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.12	0.58	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.12	0.58	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.12	0.58	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.12	0.58	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.12	0.58	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.12	0.58	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.12	0.58	mg/kg	1
03761	Naphthalene	91-20-3	0.68	0.12	0.58	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101513

Lancaster Laboratories Sample No. SW 4584265

05-MET-065V Grab Soil Sample

N(29-29.5)

Former Metro Container Investigation

Collected: 08/15/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:38

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT65V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.23	0.58	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.58	1.7	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.12	0.58	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.12	0.58	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.23	0.58	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.12	0.58	mg/kg	1
03768	Fluorene	86-73-7	0.27 J	0.12	0.58	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.12	0.58	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.23	0.58	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.12	0.58	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.12	0.58	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.12	0.58	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.12	0.58	mg/kg	1
03775	Phenanthrene	85-01-8	1.8	0.12	0.58	mg/kg	1
03776	Anthracene	120-12-7	0.85	0.12	0.58	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.23	0.58	mg/kg	1
03778	Fluoranthene	206-44-0	0.31 J	0.12	0.58	mg/kg	1
03779	Benzidine	92-87-5	N.D.	2.3	6.9	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.23	0.58	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.3	0.12	0.58	mg/kg	1
03782	Chrysene	218-01-9	1.9	0.12	0.58	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.35	1.2	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.23	1.2	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.23	0.58	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.23 J	0.12	0.58	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.12	0.58	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.53 J	0.12	0.58	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.12	0.58	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.12	0.58	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.18 J	0.12	0.58	mg/kg	1
Due to insufficient sample, the reporting limits for the GC/MS semivolatiles compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.041	0.20	mg/kg	35.31
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR101514

Lancaster Laboratories Sample No. SW 4584265

05-MET-065V Grab Soil Sample  
N(29-29.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:38  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT65V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.020	0.20	mg/kg	35.31
02020	t-Butyl alcohol	75-65-0	N.D.	0.81	4.1	mg/kg	35.31
05444	Chloromethane	74-87-3	N.D.	0.081	0.20	mg/kg	35.31
05445	Vinyl Chloride	75-01-4	N.D.	0.041	0.20	mg/kg	35.31
05446	Bromomethane	74-83-9	N.D.	0.081	0.20	mg/kg	35.31
05447	Chloroethane	75-00-3	N.D.	0.081	0.20	mg/kg	35.31
05448	Trichlorofluoromethane	75-69-4	N.D.	0.081	0.20	mg/kg	35.31
05449	1,1-Dichloroethene	75-35-4	N.D.	0.041	0.20	mg/kg	35.31
05450	Methylene Chloride	75-09-2	N.D.	0.081	0.20	mg/kg	35.31
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.041	0.20	mg/kg	35.31
05452	1,1-Dichloroethane	75-34-3	N.D.	0.041	0.20	mg/kg	35.31
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.041	0.20	mg/kg	35.31
05455	Chloroform	67-66-3	N.D.	0.041	0.20	mg/kg	35.31
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.041	0.20	mg/kg	35.31
05458	Carbon Tetrachloride	56-23-5	N.D.	0.041	0.20	mg/kg	35.31
05460	Benzene	71-43-2	0.49	0.020	0.20	mg/kg	35.31
05461	1,2-Dichloroethane	107-06-2	N.D.	0.041	0.20	mg/kg	35.31
05462	Trichloroethene	79-01-6	N.D.	0.041	0.20	mg/kg	35.31
05463	1,2-Dichloropropane	78-87-5	N.D.	0.041	0.20	mg/kg	35.31
05465	Bromodichloromethane	75-27-4	N.D.	0.041	0.20	mg/kg	35.31
05466	Toluene	108-88-3	2.4	0.041	0.20	mg/kg	35.31
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.041	0.20	mg/kg	35.31
05468	Tetrachloroethene	127-18-4	N.D.	0.041	0.20	mg/kg	35.31
05470	Dibromochloromethane	124-48-1	N.D.	0.041	0.20	mg/kg	35.31
05472	Chlorobenzene	108-90-7	N.D.	0.041	0.20	mg/kg	35.31
05474	Ethylbenzene	100-41-4	1.4	0.041	0.20	mg/kg	35.31
05478	Bromoform	75-25-2	N.D.	0.041	0.20	mg/kg	35.31
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.041	0.20	mg/kg	35.31
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.041	0.20	mg/kg	35.31
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.041	0.20	mg/kg	35.31
06301	Xylene (Total)	1330-20-7	7.3	0.041	0.20	mg/kg	35.31
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.081	0.41	mg/kg	35.31
07586	Acrolein	107-02-8	N.D.	0.81	4.1	mg/kg	35.31
07587	Acrylonitrile	107-13-1	N.D.	0.16	0.81	mg/kg	35.31

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR101515

Lancaster Laboratories Sample No. SW 4584265

05-MET-065V Grab Soil Sample

N(29-29.5)

Former Metro Container Investigation

Collected: 08/15/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Montgomery Watson Harza

Reported: 09/28/2005 at 13:38

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

MT65V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:43	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 08:54	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:35	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 17:19	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 00:49	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 20:21	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 14:36	[REDACTED]	35.31
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 14:36	[REDACTED]	35.31
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101516

Lancaster Laboratories Sample No. SW 4584265

05-MET-065V Grab Soil Sample

N(29-29.5)

Former Metro Container Investigation

Collected: 08/15/2005 11:45

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:38

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT65V

05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:15	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:47	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:13	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:13	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584265  
Sample wt/vol: 7.08 (g/mL) g Lab File ID: HP07566.i/05aug19a.b/rg19s23.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 13 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 35.3  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	10.04	8.6	J
2.	!Unknown aromatic	12.50	5.0	J
3.	!Unknown alkane	12.56	12	J
4.	!Unknown aromatic	12.73	2.9	J
5.	!Unknown aromatic	12.85	5.1	J
6.	!Unknown alicyclic	13.02	3.7	J
7.	!Unknown aromatic	13.31	3.7	J
8.	!Unknown aromatic	13.35	3.2	J
9.	!Unknown alkane	13.41	4.9	J
10.	!Unknown aromatic	13.62	2.6	J
11.	!Unknown aromatic	13.72	2.8	J
12.	!Unknown	14.13	4.3	J
13.	!Unknown aromatic	14.24	6.1	J
14.	!Unknown aromatic	14.54	4.7	J
15.	!Unknown aromatic	15.03	2.4	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
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26.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101518

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584265  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh215.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 13 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.864	56	JAB
2.	!Unknown Alkane	12.505	13	J
3.	!Unknown Alkane	13.763	16	J
4.	!Unknown Alkane	14.934	22	J
5.	!Unknown Alkane	16.036	19	J
6.	!Unknown Alkane	17.081	19	J
7.	!Unknown	17.523	10	J
8.	!Unknown Alkane	18.067	11	J
9.	!Unknown Alkane	18.975	10	J
10.	!Unknown Alkane	19.795	10	J
11.	!Unknown	19.906	3.8	J
12.	!Unknown Alkane	20.555	8.9	J
13.	!Unknown Alkane	21.257	8.5	J
14.	!Unknown Alkane	21.919	6.0	J
15.	!Unknown Alkane	22.544	5.3	J
16.	!Unknown Alkane	22.739	4.6	J
17.	Pyrene, 1-methyl-	22.954	2.8	JX
18.	!Unknown Alkane	23.129	5.7	J
19.	!Unknown Alkane	23.334	3.3	J
20.	!Unknown Alkane	23.509	2.5	J
21.	!Unknown Alkane	23.755	5.8	J
22.	!Unknown Alkane	23.971	2.6	J
23.	!Unknown Alkane	24.474	5.0	J
24.	!Unknown Alkane	25.305	4.1	J
25.	!Unknown Alkane	26.300	3.0	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101519

Lancaster Laboratories Sample No. SW 4584266

05-MET-007 Grab Soil Sample  
N(5-5.5)  
Former Metro Container Investigation

Collected: 08/15/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.131	0.0033	0.125	mg/kg	1
06925	Thallium	7440-28-0	2.21 J	1.25	2.60	mg/kg	1
06935	Arsenic	7440-38-2	26.6	0.871	2.60	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.25	2.60	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.07	2.60	mg/kg	1
06947	Beryllium	7440-41-7	0.823	0.0559	0.650	mg/kg	1
06949	Cadmium	7440-43-9	0.351 J	0.112	0.650	mg/kg	1
06951	Chromium	7440-47-3	37.4	0.689	1.95	mg/kg	1
06953	Copper	7440-50-8	73.5	0.390	1.30	mg/kg	1
06955	Lead	7439-92-1	196.	1.01	2.60	mg/kg	1
06961	Nickel	7440-02-0	19.7	0.429	1.30	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.247	0.650	mg/kg	1
06972	Zinc	7440-66-6	98.4	0.598	2.60	mg/kg	1
00111	Moisture	n.a.	24.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.64	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00451	0.0220	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00451	0.0220	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00451	0.0220	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0134	0.0451	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00875	0.0451	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00875	0.0451	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0451	0.220	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00451	0.0220	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00451	0.0220	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00557	0.0220	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00451	0.0220	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0179	0.0451	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00875	0.0451	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.106	0.451	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.292	0.875	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00451	0.0220	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00875	0.0451	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00875	0.0451	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00875	0.0451	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101520

Lancaster Laboratories Sample No. SW 4584266

05-MET-007 Grab Soil Sample  
N(5-5.5)  
Former Metro Container Investigation

Collected: 08/15/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.196	0.451	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0875	0.451	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.127	0.451	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0796	0.451	mg/kg	20
01997	PCB-1248	12672-29-6	1.17	0.292	0.875	mg/kg	20
01998	PCB-1254	11097-69-1	0.320 J	0.0875	0.451	mg/kg	20
01999	PCB-1260	11096-82-5	0.447 J	0.292	0.875	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and 4,4'-DDT.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.3	6.6	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.44	2.2	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.44	2.2	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.44	2.2	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.44	2.2	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.44	2.2	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.88	2.2	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	0.44	2.2	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.2	6.6	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.88	2.2	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.2	6.6	mg/kg	10
01195	Pyrene	129-00-0	1.8 J	0.44	2.2	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.44	2.2	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.44	2.2	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.3	2.2	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.44	2.2	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.44	2.2	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.8	27.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.2	6.6	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.88	2.2	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.44	2.2	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.44	2.2	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.44	2.2	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.44	2.2	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.44	2.2	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101521

Lancaster Laboratories Sample No. SW 4584266

05-MET-007 Grab Soil Sample  
N(5-5.5)  
Former Metro Container Investigation

Collected: 08/15/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.44	2.2	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.44	2.2	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.44	2.2	mg/kg	10
03761	Naphthalene	91-20-3	0.64 J	0.44	2.2	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.88	2.2	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.2	6.6	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.44	2.2	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.44	2.2	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.88	2.2	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.44	2.2	mg/kg	10
03768	Fluorene	86-73-7	N.D.	0.44	2.2	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.44	2.2	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.88	2.2	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.44	2.2	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.44	2.2	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.44	2.2	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.44	2.2	mg/kg	10
03775	Phenanthrene	85-01-8	1.2 J	0.44	2.2	mg/kg	10
03776	Anthracene	120-12-7	N.D.	0.44	2.2	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.88	2.2	mg/kg	10
03778	Fluoranthene	206-44-0	1.1 J	0.44	2.2	mg/kg	10
03779	Benzidine	92-87-5	N.D.	8.8	27.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.88	2.2	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	0.55 J	0.44	2.2	mg/kg	10
03782	Chrysene	218-01-9	0.75 J	0.44	2.2	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.3	4.4	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.88	4.4	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.88	2.2	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	0.55 J	0.44	2.2	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.44	2.2	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	0.56 J	0.44	2.2	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.44	2.2	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.44	2.2	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	0.83 J	0.44	2.2	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4584266

05-MET-007 Grab Soil Sample  
N(5-5.5)  
Former Metro Container Investigation

Collected: 08/15/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.065	0.33	mg/kg	49.02
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.033	0.33	mg/kg	49.02
02020	t-Butyl alcohol	75-65-0	N.D.	1.3	6.5	mg/kg	49.02
05444	Chloromethane	74-87-3	N.D.	0.13	0.33	mg/kg	49.02
05445	Vinyl Chloride	75-01-4	N.D.	0.065	0.33	mg/kg	49.02
05446	Bromomethane	74-83-9	N.D.	0.13	0.33	mg/kg	49.02
05447	Chloroethane	75-00-3	N.D.	0.13	0.33	mg/kg	49.02
05448	Trichlorofluoromethane	75-69-4	N.D.	0.13	0.33	mg/kg	49.02
05449	1,1-Dichloroethene	75-35-4	N.D.	0.065	0.33	mg/kg	49.02
05450	Methylene Chloride	75-09-2	N.D.	0.13	0.33	mg/kg	49.02
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.065	0.33	mg/kg	49.02
05452	1,1-Dichloroethane	75-34-3	N.D.	0.065	0.33	mg/kg	49.02
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.065	0.33	mg/kg	49.02
05455	Chloroform	67-66-3	N.D.	0.065	0.33	mg/kg	49.02
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.065	0.33	mg/kg	49.02
05458	Carbon Tetrachloride	56-23-5	N.D.	0.065	0.33	mg/kg	49.02
05460	Benzene	71-43-2	N.D.	0.033	0.33	mg/kg	49.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.065	0.33	mg/kg	49.02
05462	Trichloroethene	79-01-6	N.D.	0.065	0.33	mg/kg	49.02
05463	1,2-Dichloropropane	78-87-5	N.D.	0.065	0.33	mg/kg	49.02
05465	Bromodichloromethane	75-27-4	N.D.	0.065	0.33	mg/kg	49.02
05466	Toluene	108-88-3	0.71	0.065	0.33	mg/kg	49.02
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.065	0.33	mg/kg	49.02
05468	Tetrachloroethene	127-18-4	N.D.	0.065	0.33	mg/kg	49.02
05470	Dibromochloromethane	124-48-1	N.D.	0.065	0.33	mg/kg	49.02
05472	Chlorobenzene	108-90-7	N.D.	0.065	0.33	mg/kg	49.02
05474	Ethylbenzene	100-41-4	0.98	0.065	0.33	mg/kg	49.02
05478	Bromoform	75-25-2	N.D.	0.065	0.33	mg/kg	49.02
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.065	0.33	mg/kg	49.02
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.065	0.33	mg/kg	49.02
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.065	0.33	mg/kg	49.02
06301	Xylene (Total)	1330-20-7	6.0	0.065	0.33	mg/kg	49.02
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.13	0.65	mg/kg	49.02
07586	Acrolein	107-02-8	N.D.	1.3	6.5	mg/kg	49.02
07587	Acrylonitrile	107-13-1	N.D.	0.26	1.3	mg/kg	49.02

The GC/MS volatile analysis was performed according to the high level

\*=This limit was used in the evaluation of the final result

AR101523

Lancaster Laboratories Sample No. SW 4584266

05-MET-007 Grab Soil Sample  
N(5-5.5)  
Former Metro Container Investigation

Collected: 08/15/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:39

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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soil method due to the level of target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:44	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 08:59	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101524

Lancaster Laboratories Sample No. SW 4584266

05-MET-007 Grab Soil Sample  
N(5-5.5)  
Former Metro Container Investigation

Collected: 08/15/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

**MET07**

05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:36	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/19/2005 17:20	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 02:32	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 21:07	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 07:53	[REDACTED]	49.02
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 07:53	[REDACTED]	49.02
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/19/2005 10:50	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:55	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:14	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:14	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584266  
Sample wt/vol: 5.1 (g/mL) g Lab File ID: HP07566.i/05aug19a.b/rg19s06.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 25 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 49.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	12.56	3.4	J
2.	!Unknown alkane	12.78	1.1	J
3.	!Unknown aromatic	12.85	1.1	J
4.	!Unknown alicyclic	13.03	1.3	J
5.	!Unknown aromatic	13.17	1.2	J
6.	!Unknown aromatic	13.31	1.1	J
7.	!Unknown aromatic	13.35	1.4	J
8.	!Unknown alkane	13.41	1.7	J
9.	!Unknown aromatic	13.57	1.1	J
10.	!Unknown aromatic	13.62	1.9	J
11.	!Unknown aromatic	13.84	1.0	J
12.	!Unknown aromatic	13.89	1.4	J
13.	!Unknown aromatic	13.93	2.0	J
14.	!Unknown aromatic	14.22	2.2	J
15.	!Unknown aromatic	14.45	0.92	J
16.				
17.				
18.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101526

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584266  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh216.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 25 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 10 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.775	22	JAB
2.	Benzene, 1,3-diethyl-	10.608	1.8	JX
3.	Unknown Alkane	22.509	3.9	J
4.	Unknown Alkane	23.097	3.3	J
5.	Unknown Alkane	23.715	3.1	J
6.	Unknown Alkane	24.425	4.1	J
7.	Unknown	24.608	1.9	J
8.	Unknown Alkane	25.267	3.9	J
9.	Unknown Alkane	26.260	2.7	J
10.	Benzo[a]pyrene	28.183	2.2	JX
11.				
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101527

Lancaster Laboratories Sample No. SW 4584267

05-MET-014 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0039 J	0.0033	0.122	mg/kg	1
06925	Thallium	7440-28-0	1.34 J	1.22	2.54	mg/kg	1
06935	Arsenic	7440-38-2	3.37	0.851	2.54	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.22	2.54	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.04	2.54	mg/kg	1
06947	Beryllium	7440-41-7	0.593 J	0.0546	0.635	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.109	0.635	mg/kg	1
06951	Chromium	7440-47-3	25.8	0.673	1.90	mg/kg	1
06953	Copper	7440-50-8	7.57	0.381	1.27	mg/kg	1
06955	Lead	7439-92-1	9.23	0.991	2.54	mg/kg	1
06961	Nickel	7440-02-0	9.55	0.419	1.27	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.241	0.635	mg/kg	1
06972	Zinc	7440-66-6	27.3	0.584	2.54	mg/kg	1
00111	Moisture	n.a.	22.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.64	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0132	0.0645	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.0132	0.0645	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.0132	0.0645	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0256	0.132	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.0256	0.132	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0256	0.132	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.132	0.645	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.0132	0.0645	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.0132	0.0645	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.0163	0.0645	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0132	0.0645	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0256	0.132	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.0256	0.132	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.311	1.32	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.855	2.56	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.0132	0.0645	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0256	0.132	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0256	0.132	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0256	0.132	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101528

Lancaster Laboratories Sample No. SW 4584267

05-MET-014 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.575	1.32	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.256	1.32	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.373	1.32	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.233	1.32	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.855	2.56	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.256	1.32	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.855	2.56	mg/kg	20

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.3	6.5	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.43	2.2	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.43	2.2	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.43	2.2	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.43	2.2	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.43	2.2	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.86	2.2	mg/kg	10
01191	Acenaphthene	83-32-9	1.7 J	0.43	2.2	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.2	6.5	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.86	2.2	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.2	6.5	mg/kg	10
01195	Pyrene	129-00-0	9.2	0.43	2.2	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.43	2.2	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.43	2.2	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.3	2.2	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.43	2.2	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.43	2.2	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.6	26.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.2	6.5	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.86	2.2	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.43	2.2	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.43	2.2	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.43	2.2	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.43	2.2	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.43	2.2	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101529

Lancaster Laboratories Sample No. SW 4584267

05-MET-014 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 08:40

by █

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.43	2.2	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.43	2.2	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.43	2.2	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	0.43	2.2	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.86	2.2	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.2	6.5	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.43	2.2	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.43	2.2	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.86	2.2	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.43	2.2	mg/kg	10
03768	Fluorene	86-73-7	0.83 J	0.43	2.2	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.43	2.2	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.86	2.2	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.43	2.2	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.43	2.2	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.43	2.2	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.43	2.2	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	0.43	2.2	mg/kg	10
03776	Anthracene	120-12-7	2.8	0.43	2.2	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.86	2.2	mg/kg	10
03778	Fluoranthene	206-44-0	1.9 J	0.43	2.2	mg/kg	10
03779	Benzidine	92-87-5	N.D.	8.6	26.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.86	2.2	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	15.	0.43	2.2	mg/kg	10
03782	Chrysene	218-01-9	14.	0.43	2.2	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.3	4.3	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.86	4.3	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.86	2.2	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	8.9	0.43	2.2	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	1.9 J	0.43	2.2	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	18.	0.43	2.2	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	6.9	0.43	2.2	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	7.7	0.43	2.2	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	14.	0.43	2.2	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4584267

05-MET-014 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.064	0.32	mg/kg	49.5
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.032	0.32	mg/kg	49.5
02020	t-Butyl alcohol	75-65-0	N.D.	1.3	6.4	mg/kg	49.5
05444	Chloromethane	74-87-3	N.D.	0.13	0.32	mg/kg	49.5
05445	Vinyl Chloride	75-01-4	N.D.	0.064	0.32	mg/kg	49.5
05446	Bromomethane	74-83-9	N.D.	0.13	0.32	mg/kg	49.5
05447	Chloroethane	75-00-3	N.D.	0.13	0.32	mg/kg	49.5
05448	Trichlorofluoromethane	75-69-4	N.D.	0.13	0.32	mg/kg	49.5
05449	1,1-Dichloroethene	75-35-4	N.D.	0.064	0.32	mg/kg	49.5
05450	Methylene Chloride	75-09-2	N.D.	0.13	0.32	mg/kg	49.5
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.064	0.32	mg/kg	49.5
05452	1,1-Dichloroethane	75-34-3	N.D.	0.064	0.32	mg/kg	49.5
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.064	0.32	mg/kg	49.5
05455	Chloroform	67-66-3	N.D.	0.064	0.32	mg/kg	49.5
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.064	0.32	mg/kg	49.5
05458	Carbon Tetrachloride	56-23-5	N.D.	0.064	0.32	mg/kg	49.5
05460	Benzene	71-43-2	N.D.	0.032	0.32	mg/kg	49.5
05461	1,2-Dichloroethane	107-06-2	N.D.	0.064	0.32	mg/kg	49.5
05462	Trichloroethene	79-01-6	N.D.	0.064	0.32	mg/kg	49.5
05463	1,2-Dichloropropane	78-87-5	N.D.	0.064	0.32	mg/kg	49.5
05465	Bromodichloromethane	75-27-4	N.D.	0.064	0.32	mg/kg	49.5
05466	Toluene	108-88-3	N.D.	0.064	0.32	mg/kg	49.5
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.064	0.32	mg/kg	49.5
05468	Tetrachloroethene	127-18-4	N.D.	0.064	0.32	mg/kg	49.5
05470	Dibromochloromethane	124-48-1	N.D.	0.064	0.32	mg/kg	49.5
05472	Chlorobenzene	108-90-7	N.D.	0.064	0.32	mg/kg	49.5
05474	Ethylbenzene	100-41-4	N.D.	0.064	0.32	mg/kg	49.5
05478	Bromoform	75-25-2	N.D.	0.064	0.32	mg/kg	49.5
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.064	0.32	mg/kg	49.5
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.064	0.32	mg/kg	49.5
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.064	0.32	mg/kg	49.5
06301	Xylene (Total)	1330-20-7	N.D.	0.064	0.32	mg/kg	49.5
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.13	0.64	mg/kg	49.5
07586	Acrolein	107-02-8	N.D.	1.3	6.4	mg/kg	49.5
07587	Acrylonitrile	107-13-1	N.D.	0.26	1.3	mg/kg	49.5

The GC/MS volatile analysis was performed according to the high level

\*=This limit was used in the evaluation of the final result

AR101531

Lancaster Laboratories Sample No. SW 4584267

05-MET-014 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:39

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:46	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 09:03	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:38	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/23/2005 11:57	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 03:34	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 21:52	[REDACTED]	10

\*=This limit was used in the evaluation of the final result

AR101532

Lancaster Laboratories Sample No. SW 4584267

05-MET-014 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 08:40 by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:39  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET14						
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 08:16	[REDACTED]	49.5
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 08:16	[REDACTED]	49.5
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/20/2005 18:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:56	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:15	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:15	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584267  
Sample wt/vol: 5.05 (g/mL) g Lab File ID: HP07566.i/05aug19a.b/rg19s07.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 23 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 49.5  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	11.77	0.62	J
2.	!Unknown alkane	11.91	0.88	J
3.	!Unknown alkane	12.78	0.75	J
4.	!Unknown aliphatic	13.41	0.65	J
5.	!Unknown alicyclic	13.85	1.2	J
6.	!Unknown	14.03	0.61	J
7.	!Unknown	14.20	0.67	J
8.	!Unknown alicyclic	14.24	0.94	J
9.	!Unknown alkane	14.31	1.0	J
10.	!Unknown alicyclic	14.37	0.61	J
11.	!Unknown	14.41	0.65	J
12.	!Unknown	14.50	0.67	J
13.	!Unknown alicyclic	14.58	0.83	J
14.	!Unknown aromatic	14.74	1.1	J
15.	!Unknown aromatic	14.99	0.62	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101534

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4584267  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh217.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 23 Decanted: (Y/N)                      Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH:                      Extraction: Sonic  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.770	15	JAB
2.	Unknown	9.730	21	J
3.	Unknown	17.488	9.0	J
4.	Unknown	18.343	7.5	J
5.	Unknown	18.544	7.4	J
6.	4,4'-Dimethylbiphenyl	18.795	7.2	JX
7.	Unknown	19.007	7.4	J
8.	Unknown	19.481	7.6	J
9.	Unknown	19.713	9.9	J
10.	Unknown	19.894	9.6	J
11.	Phenanthrene, 3-methyl-	20.369	8.2	JX
12.	Phenanthrene, 2,5-dimethyl-	21.046	9.9	JX
13.	Unknown	22.313	6.3	J
14.	Pyrene, 2-methyl-	22.719	8.5	JX
15.	11H-Benzo[b]fluorene	22.943	5.1	JX
16.	o-Terphenyl	23.278	6.5	JX
17.	Unknown	23.441	4.7	J
18.	Benzo[b]naphtho[2,1-d]thioph	23.665	5.2	JX
19.	Benz[a]anthracene, 8-methyl-	25.161	12	JX
20.	Chrysene, 2-methyl-	25.253	5.3	JX
21.	Benz[a]anthracene, 1,12-dime	26.169	5.4	JX
22.	3-Methylcholanthrene	26.871	9.1	JX
23.	Benz[e]acephenanthrylene	28.244	27	JX
24.	Perylene, 3-methyl-	29.868	19	JX
25.	Perylene, 3-methyl-	30.010	16	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*This limit was used in the evaluation of the final result

AR101535

Lancaster Laboratories Sample No. SW 4584268

05-MET-015 Grab Soil Sample  
N(10-10.5)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0031	0.118	mg/kg	1
06925	Thallium	7440-28-0	1.58 J	1.17	2.43	mg/kg	1
06935	Arsenic	7440-38-2	4.91	0.813	2.43	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.17	2.43	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.995	2.43	mg/kg	1
06947	Beryllium	7440-41-7	0.769	0.0522	0.607	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.104	0.607	mg/kg	1
06951	Chromium	7440-47-3	25.5	0.643	1.82	mg/kg	1
06953	Copper	7440-50-8	13.6	0.364	1.21	mg/kg	1
06955	Lead	7439-92-1	7.52	0.947	2.43	mg/kg	1
06961	Nickel	7440-02-0	14.9	0.400	1.21	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.231	0.607	mg/kg	1
06972	Zinc	7440-66-6	41.1	0.558	2.43	mg/kg	1
00111	Moisture	n.a.	20.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000213	0.00104	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000213	0.00104	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000213	0.00104	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000413	0.00213	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000413	0.00213	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000413	0.00213	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00213	0.0104	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000213	0.00104	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000213	0.00104	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000263	0.00104	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000213	0.00104	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000413	0.00213	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000413	0.00213	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00500	0.0213	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0138	0.0413	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000213	0.00104	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000413	0.00213	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000413	0.00213	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000413	0.00213	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101536

Lancaster Laboratories Sample No. SW 4584268

05-MET-015 Grab Soil Sample  
N(10-10.5)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00925	0.0213	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00413	0.0213	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00600	0.0213	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00375	0.0213	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0138	0.0413	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00413	0.0213	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0138	0.0413	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.62	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.042	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.042	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.042	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.042	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.042	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.083	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	0.13 J	0.042	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.62	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.083	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.62	mg/kg	1
01195	Pyrene	129-00-0	0.51	0.042	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.042 J	0.042	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.042	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.042	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.042	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.83	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.62	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.083	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.042	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.042	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.042	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.042	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.042	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.042	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.042	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.042	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.042	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.083	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.62	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101537

Lancaster Laboratories Sample No. SW 4584268

05-MET-015 Grab Soil Sample  
N(10-10.5)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.042	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.042	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.083	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.042	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.11 J	0.042	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.042	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.083	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.042	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.042	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.042	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.042	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.69	0.042	0.21	mg/kg	1
03776	Anthracene	120-12-7	0.25	0.042	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.083	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.10 J	0.042	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.83	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.083	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.29	0.042	0.21	mg/kg	1
03782	Chrysene	218-01-9	0.40	0.042	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.42	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.083	0.42	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.083	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.077 J	0.042	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.042	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.12 J	0.042	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.042	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.042	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.083 J	0.042	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.99
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.025	0.12	mg/kg	0.99
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.99

\*=This limit was used in the evaluation of the final result

AR101538

Lancaster Laboratories Sample No. SW 4584268

05-MET-015 Grab Soil Sample  
N(10-10.5)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.99
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.99
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.99
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.99
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.99
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.99
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.99
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.99
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.99
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.99
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.99
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.99
05460	Benzene	71-43-2	0.007	0.0006	0.006	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.99
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.99
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.99
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.99
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.99
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.99
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.99
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.99
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.99
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.99
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.99
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.99
07586	Acrolein	107-02-8	N.D.	0.025	0.12	mg/kg	0.99
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.025	mg/kg	0.99

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR101539

Lancaster Laboratories Sample No. SW 4584268

05-MET-015 Grab Soil Sample  
N(10-10.5)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:40

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET15

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:48	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 09:08	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:41	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/23/2005 11:58	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 03:55	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 22:38	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 17:28	[REDACTED]	0.99
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 17:28	[REDACTED]	0.99
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/20/2005 18:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 13:58	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:16	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR101540



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4584268

05-MET-015 Grab Soil Sample

N(10-10.5)

Former Metro Container Investigation

Collected: 08/15/2005 09:30

by

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:40

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET15

08389 GC/MS - LL Encore Prep

SW-846 5035

2

08/16/2005 07:16

n.a.

\*=This limit was used in the evaluation of the final result

AR101541



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584268  
Sample wt/vol: 5.06 (g/mL) g Lab File ID: HP09193.i/05aug18a.b/xg18s08.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. 20 Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.87	0.036	J B
2.	Unknown siloxane	12.26	0.007	J B
3.	Unknown aromatic	13.22	0.011	J
4.	Unknown aromatic	14.14	0.01	J
5.				
6.				
7.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101542

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4584268  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh218.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 20 Decanted: (Y/N)                      Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	!2-Pentanone, 4-hydroxy-4-met	6.829	14	JAB
2.	!1H-Indene, 2,3-dihydro-5-met	12.023	1.1	JX
3.	!Unknown Cycloalkane	13.148	1.4	J
4.	!Unknown Cycloalkane	15.586	2.2	J
5.	!Naphthalene, 2,3,6-trimethyl	16.920	1.3	JX
6.	!Unknown Cycloalkane	17.191	1.4	J
7.	!Unknown Alkane	17.523	3.1	J
8.	!Unknown Cycloalkane	17.784	1.3	J
9.	!Unknown Alkane	18.077	.93	J
10.	!Unknown Cycloalkane	18.751	1.2	J
11.	!Unknown Alkane	19.003	1.3	J
12.	!Unknown	20.104	1.5	J
13.	!Anthracene, 2-methyl-	20.236	.93	JX
14.	!Anthracene, 1-methyl-	20.286	.96	JX
15.	!Unknown	20.752	.91	J
16.	!Phenanthrene, 4,5-dimethyl-	21.046	2.2	JX
17.	!Phenanthrene, 2,7-dimethyl-	21.117	.89	JX
18.	!Phenanthrene, 2,5-dimethyl-	21.248	1.4	JX
19.	!9,10-Dimethylantracene	21.330	1.5	JX
20.	!9,10-Dimethylantracene	21.390	1.1	JX
21.	!Unknown	21.745	.83	J
22.	!Unknown	22.700	.77	J
23.	!Pyrene, 2-methyl-	22.883	.55	JX
24.	!Unknown	22.974	.65	J
25.	!Unknown Alkane	23.717	.55	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*This limit was used in the evaluation of the final result

AR101543

Lancaster Laboratories Sample No. SW 4584269

05-MET-009 Grab Soil Sample  
N(10-10.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0140 J	0.0031	0.115	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.12	2.34	mg/kg	1
06935	Arsenic	7440-38-2	1.69 J	0.784	2.34	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.12	2.34	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.959	2.34	mg/kg	1
06947	Beryllium	7440-41-7	0.642	0.0503	0.585	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.101	0.585	mg/kg	1
06951	Chromium	7440-47-3	27.2	0.620	1.75	mg/kg	1
06953	Copper	7440-50-8	11.4	0.351	1.17	mg/kg	1
06955	Lead	7439-92-1	8.44	0.912	2.34	mg/kg	1
06961	Nickel	7440-02-0	16.6	0.386	1.17	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.222	0.585	mg/kg	1
06972	Zinc	7440-66-6	38.2	0.538	2.34	mg/kg	1
00111	Moisture	n.a.	14.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.20	0.56	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000199	0.000971	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000199	0.000971	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000199	0.000971	mg/kg	1
01221	p,p-DDT	50-29-3	0.000545 J	0.000386	0.00199	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000386	0.00199	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000386	0.00199	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00199	0.00971	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000199	0.000971	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000199	0.000971	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000246	0.000971	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000199	0.000971	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000386	0.00199	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000386	0.00199	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00468	0.0199	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0129	0.0386	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000199	0.000971	mg/kg	1
01990	Endosulfan II	33213-65-9	0.000415 J	0.000386	0.00199	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000386	0.00199	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000386	0.00199	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101544

Lancaster Laboratories Sample No. SW 4584269

05-MET-009 Grab Soil Sample  
N(10-10.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00865	0.0199	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00386	0.0199	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00561	0.0199	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00351	0.0199	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0129	0.0386	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00386	0.0199	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0129	0.0386	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.58	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.039	0.19	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.039	0.19	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.039	0.19	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.039	0.19	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.039	0.19	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.078	0.19	mg/kg	1
01191	Acenaphthene	83-32-9	0.44	0.039	0.19	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.19	0.58	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.078	0.19	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.19	0.58	mg/kg	1
01195	Pyrene	129-00-0	1.2	0.039	0.19	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.14	0.039	0.19	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.039	0.19	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.19	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.039	0.19	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.039	0.19	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.78	2.3	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.19	0.58	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.078	0.19	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.039	0.19	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.039	0.19	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.039	0.19	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.039	0.19	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.039	0.19	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.039	0.19	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.039	0.19	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.039	0.19	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.039	0.19	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.078	0.19	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.19	0.58	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101545

Lancaster Laboratories Sample No. SW 4584269

05-MET-009 Grab Soil Sample  
N(10-10.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.039	0.19	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.039	0.19	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.078	0.19	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.039	0.19	mg/kg	1
03768	Fluorene	86-73-7	0.32	0.039	0.19	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.039	0.19	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.078	0.19	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.039	0.19	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.039	0.19	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.039	0.19	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.039	0.19	mg/kg	1
03775	Phenanthrene	85-01-8	0.40	0.039	0.19	mg/kg	1
03776	Anthracene	120-12-7	1.0	0.039	0.19	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.078	0.19	mg/kg	1
03778	Fluoranthene	206-44-0	0.30	0.039	0.19	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.78	2.3	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.078	0.19	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.85	0.039	0.19	mg/kg	1
03782	Chrysene	218-01-9	1.0	0.039	0.19	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.39	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.078	0.39	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.078	0.19	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.14 J	0.039	0.19	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.039	0.19	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.27	0.039	0.19	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.059 J	0.039	0.19	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.039	0.19	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.11 J	0.039	0.19	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.058	0.29	mg/kg	49.21
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.029	0.29	mg/kg	49.21
02020	t-Butyl alcohol	75-65-0	N.D.	1.2	5.8	mg/kg	49.21
05444	Chloromethane	74-87-3	N.D.	0.12	0.29	mg/kg	49.21

\*=This limit was used in the evaluation of the final result

AR101546

Lancaster Laboratories Sample No. SW 4584269

05-MET-009 Grab Soil Sample  
N(10-10.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:40  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.058	0.29	mg/kg	49.21
05446	Bromomethane	74-83-9	N.D.	0.12	0.29	mg/kg	49.21
05447	Chloroethane	75-00-3	N.D.	0.12	0.29	mg/kg	49.21
05448	Trichlorofluoromethane	75-69-4	N.D.	0.12	0.29	mg/kg	49.21
05449	1,1-Dichloroethene	75-35-4	N.D.	0.058	0.29	mg/kg	49.21
05450	Methylene Chloride	75-09-2	N.D.	0.12	0.29	mg/kg	49.21
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.058	0.29	mg/kg	49.21
05452	1,1-Dichloroethane	75-34-3	N.D.	0.058	0.29	mg/kg	49.21
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.058	0.29	mg/kg	49.21
05455	Chloroform	67-66-3	N.D.	0.058	0.29	mg/kg	49.21
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.058	0.29	mg/kg	49.21
05458	Carbon Tetrachloride	56-23-5	N.D.	0.058	0.29	mg/kg	49.21
05460	Benzene	71-43-2	N.D.	0.029	0.29	mg/kg	49.21
05461	1,2-Dichloroethane	107-06-2	N.D.	0.058	0.29	mg/kg	49.21
05462	Trichloroethene	79-01-6	N.D.	0.058	0.29	mg/kg	49.21
05463	1,2-Dichloropropane	78-87-5	N.D.	0.058	0.29	mg/kg	49.21
05465	Bromodichloromethane	75-27-4	N.D.	0.058	0.29	mg/kg	49.21
05466	Toluene	108-88-3	N.D.	0.058	0.29	mg/kg	49.21
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.058	0.29	mg/kg	49.21
05468	Tetrachloroethene	127-18-4	N.D.	0.058	0.29	mg/kg	49.21
05470	Dibromochloromethane	124-48-1	N.D.	0.058	0.29	mg/kg	49.21
05472	Chlorobenzene	108-90-7	N.D.	0.058	0.29	mg/kg	49.21
05474	Ethylbenzene	100-41-4	N.D.	0.058	0.29	mg/kg	49.21
05478	Bromoform	75-25-2	N.D.	0.058	0.29	mg/kg	49.21
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.058	0.29	mg/kg	49.21
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.058	0.29	mg/kg	49.21
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.058	0.29	mg/kg	49.21
06301	Xylene (Total)	1330-20-7	N.D.	0.058	0.29	mg/kg	49.21
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.12	0.58	mg/kg	49.21
07586	Acrolein	107-02-8	N.D.	1.2	5.8	mg/kg	49.21
07587	Acrylonitrile	107-13-1	N.D.	0.23	1.2	mg/kg	49.21

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR101547

Lancaster Laboratories Sample No. SW 4584269

05-MET-009 Grab Soil Sample  
N(10-10.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:40

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET09

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:49	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 09:13	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:42	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/23/2005 11:59	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 04:15	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 23:23	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 08:38	[REDACTED]	49.21
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 08:38	[REDACTED]	49.21
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 19:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/20/2005 18:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101548

**Lancaster Laboratories Sample No. SW 4584269****05-MET-009 Grab Soil Sample****N(10-10.5)****Former Metro Container Investigation**

Collected: 08/15/2005 11:00

by

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:40

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**MET09**

06171 GC/MS - Field Preserved SW-846 5035

1 08/16/2005 13:59

1

MeOH

08389 GC/MS - LL Encore Prep SW-846 5035

1 08/16/2005 07:17

n.a.

08389 GC/MS - LL Encore Prep SW-846 5035

2 08/16/2005 07:17

n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584269  
Sample wt/vol: 5.08 (g/mL) g Lab File ID: HP07566.i/05aug19a.b/rg19s08.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 14 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 49.2  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	11.15	2.0	J
2.	!Unknown alkane	11.91	2.0	J
3.	!Unknown alicyclic	12.02	2.9	J
4.	!Unknown alkane	12.19	1.6	J
5.	!Unknown aliphatic	12.55	2.0	J
6.	!Unknown	12.75	1.3	J
7.	!Unknown alicyclic	13.02	3.1	J
8.	!Unknown aromatic	13.29	1.4	J
9.	!Unknown	13.41	1.3	J
10.	!Unknown alicyclic	13.85	2.1	J
11.	!Unknown aromatic	14.14	1.3	J
12.	!Unknown aromatic	14.54	3.7	J
13.	!Unknown aromatic	14.75	2.2	J
14.	!Unknown aromatic	15.03	2.3	J
15.	!Unknown aromatic	15.17	1.7	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101550

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584269  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh219.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 14 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/18/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.829	12	JAB
2.	!Unknown Cycloalkane	13.147	3.3	J
3.	!Unknown Cycloalkane	14.437	3.5	J
4.	!Unknown Alkane	14.647	3.1	J
5.	!Unknown Alkane	15.599	5.5	J
6.	!Unknown	16.543	3.5	J
7.	!Unknown Cycloalkane	16.744	3.8	J
8.	!Unknown Cycloalkane	17.137	3.2	J
9.	!Unknown Alkane	17.529	5.6	J
10.	!Unknown Cycloalkane	17.801	1.6	J
11.	!Unknown Alkane	18.094	1.3	J
12.	!Unknown Cycloalkane	18.366	2.1	J
13.	!Unknown	18.567	1.2	J
14.	!Unknown	18.890	1.4	J
15.	!Unknown	19.032	1.6	J
16.	!Unknown Cycloalkane	19.082	1.5	J
17.	!Unknown	19.517	1.6	J
18.	!Unknown	19.921	1.3	J
19.	!Unknown	20.123	1.2	J
20.	!Unknown	20.255	1.3	J
21.	!Anthracene, 1-methyl-	20.397	1.2	JX
22.	!Unknown	20.458	1.2	J
23.	!Unknown	20.691	1.6	J
24.	!Phenanthrene, 4,5-dimethyl-	21.066	1.3	JX
25.	!Unknown	21.137	1.3	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101551

Lancaster Laboratories Sample No. SW 4584270

05-MET-022 Grab Soil Sample  
N(5-5.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET22

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0043 J	0.0033	0.123	mg/kg	1
06925	Thallium	7440-28-0	1.40 J	1.16	2.43	mg/kg	1
06935	Arsenic	7440-38-2	5.43	0.812	2.43	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.16	2.43	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.994	2.43	mg/kg	1
06947	Beryllium	7440-41-7	0.852	0.0521	0.606	mg/kg	1
06949	Cadmium	7440-43-9	0.209 J	0.104	0.606	mg/kg	1
06951	Chromium	7440-47-3	28.5	0.643	1.82	mg/kg	1
06953	Copper	7440-50-8	12.3	0.364	1.21	mg/kg	1
06955	Lead	7439-92-1	8.13	0.946	2.43	mg/kg	1
06961	Nickel	7440-02-0	13.6	0.400	1.21	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.230	0.606	mg/kg	1
06972	Zinc	7440-66-6	36.9	0.558	2.43	mg/kg	1
00111	Moisture	n.a.	20.7	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.61	mg/kg	1
Matrix QC was performed on this sample for the cyanide analysis. Please see the attached QC Summary report for the parameter showing a matrix bias.							
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000214	0.00105	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000214	0.00105	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000214	0.00105	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000416	0.00214	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000416	0.00214	mg/kg	1
01223	Endrin	72-20-8	0.000525 J	0.000416	0.00214	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00214	0.0105	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000214	0.00105	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000214	0.00105	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000265	0.00105	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000214	0.00105	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000416	0.00214	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000416	0.00214	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00504	0.0214	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0139	0.0416	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000214	0.00105	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000416	0.00214	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101552

Lancaster Laboratories Sample No. SW 4584270

05-MET-022 Grab Soil Sample  
N(5-5.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET22

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000416	0.00214	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000416	0.00214	mg/kg	1
01993	PCB-1016	12674-11-2	N.D.	0.00933	0.0214	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00416	0.0214	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00605	0.0214	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00378	0.0214	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0139	0.0416	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00416	0.0214	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0139	0.0416	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.63	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.042	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.042	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.042	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.042	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.042	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.084	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	0.25	0.042	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.63	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.084	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.63	mg/kg	1
01195	Pyrene	129-00-0	0.75	0.042	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.042	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.042	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.042	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.042	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.84	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.63	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.084	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.042	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.042	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.042	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.042	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.042	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.042	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.042	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.042	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.042	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101553

Lancaster Laboratories Sample No. SW 4584270

05-MET-022 Grab Soil Sample  
N(5-5.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET22

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.084	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.63	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.042	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.042	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.084	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.042	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.14 J	0.042	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.042	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.084	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.042	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.042	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.042	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.042	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.042	0.21	mg/kg	1
03776	Anthracene	120-12-7	0.12 J	0.042	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.084	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.16 J	0.042	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.84	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.084	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.33	0.042	0.21	mg/kg	1
03782	Chrysene	218-01-9	0.46	0.042	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.42	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.084	0.42	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.084	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.064 J	0.042	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.042	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.13 J	0.042	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.042	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.060 J	0.042	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.074 J	0.042	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.061	0.30	mg/kg	48.17
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.030	0.30	mg/kg	48.17

\*=This limit was used in the evaluation of the final result

AR101554

Lancaster Laboratories Sample No. SW 4584270

05-MET-022 Grab Soil Sample  
N(5-5.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET22

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	1.2	6.1	mg/kg	48.17
05444	Chloromethane	74-87-3	N.D.	0.12	0.30	mg/kg	48.17
05445	Vinyl Chloride	75-01-4	N.D.	0.061	0.30	mg/kg	48.17
05446	Bromomethane	74-83-9	N.D.	0.12	0.30	mg/kg	48.17
05447	Chloroethane	75-00-3	N.D.	0.12	0.30	mg/kg	48.17
05448	Trichlorofluoromethane	75-69-4	N.D.	0.12	0.30	mg/kg	48.17
05449	1,1-Dichloroethene	75-35-4	N.D.	0.061	0.30	mg/kg	48.17
05450	Methylene Chloride	75-09-2	N.D.	0.12	0.30	mg/kg	48.17
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.061	0.30	mg/kg	48.17
05452	1,1-Dichloroethane	75-34-3	N.D.	0.061	0.30	mg/kg	48.17
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.061	0.30	mg/kg	48.17
05455	Chloroform	67-66-3	N.D.	0.061	0.30	mg/kg	48.17
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.061	0.30	mg/kg	48.17
05458	Carbon Tetrachloride	56-23-5	N.D.	0.061	0.30	mg/kg	48.17
05460	Benzene	71-43-2	N.D.	0.030	0.30	mg/kg	48.17
05461	1,2-Dichloroethane	107-06-2	N.D.	0.061	0.30	mg/kg	48.17
05462	Trichloroethene	79-01-6	N.D.	0.061	0.30	mg/kg	48.17
05463	1,2-Dichloropropane	78-87-5	N.D.	0.061	0.30	mg/kg	48.17
05465	Bromodichloromethane	75-27-4	N.D.	0.061	0.30	mg/kg	48.17
05466	Toluene	108-88-3	N.D.	0.061	0.30	mg/kg	48.17
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.061	0.30	mg/kg	48.17
05468	Tetrachloroethene	127-18-4	N.D.	0.061	0.30	mg/kg	48.17
05470	Dibromochloromethane	124-48-1	N.D.	0.061	0.30	mg/kg	48.17
05472	Chlorobenzene	108-90-7	N.D.	0.061	0.30	mg/kg	48.17
05474	Ethylbenzene	100-41-4	N.D.	0.061	0.30	mg/kg	48.17
05478	Bromoform	75-25-2	N.D.	0.061	0.30	mg/kg	48.17
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.061	0.30	mg/kg	48.17
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.061	0.30	mg/kg	48.17
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.061	0.30	mg/kg	48.17
06301	Xylene (Total)	1330-20-7	N.D.	0.061	0.30	mg/kg	48.17
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.12	0.61	mg/kg	48.17
07586	Acrolein	107-02-8	N.D.	1.2	6.1	mg/kg	48.17
07587	Acrylonitrile	107-13-1	N.D.	0.24	1.2	mg/kg	48.17

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR101555

Lancaster Laboratories Sample No. SW 4584270

05-MET-022 Grab Soil Sample  
N(5-5.5)  
Former Metro Container Investigation

Collected: 08/15/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:41

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET22

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:53	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 21:14	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:43	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/23/2005 12:00	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 04:36	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 00:09	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 15:21	[REDACTED]	48.17
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 15:21	[REDACTED]	48.17
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101556

**Lancaster Laboratories Sample No. SW 4584270****05-MET-022 Grab Soil Sample****N(5-5.5)****Former Metro Container Investigation**

Collected: 08/15/2005 11:30

by

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:41

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**MET22**

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/20/2005 18:45		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:00		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 14:00		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:18		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:18		n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584270  
Sample wt/vol: 5.19 (g/mL) g Lab File ID: HP07566.i/05aug19a.b/rg19s25.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 21 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 48.2  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aliphatic	11.77	0.53	J
2.	!Unknown aliphatic	12.55	0.50	J
3.	!Unknown aliphatic	13.41	0.74	J
4.	!Unknown aliphatic	13.57	0.44	J
5.	!Unknown	13.77	0.43	J
6.	!Unknown alicyclic	13.84	0.49	J
7.	!Unknown aromatic	14.14	0.67	J
8.	!Unknown	14.24	0.50	J
9.	!Unknown alicyclic	14.31	0.75	J
10.	!Unknown alicyclic	14.37	0.45	J
11.	!Unknown aromatic	14.65	0.44	J
12.	!Unknown alicyclic	14.74	1.1	J
13.	!Unknown aromatic	14.79	0.62	J
14.	!Unknown aromatic	14.94	0.43	J
15.	!Unknown	15.00	0.78	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101558

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. \_\_\_\_\_  
!MET22  
!\_\_\_\_\_

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584270  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh220.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 21 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sonc

CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.831	8.2	JAB
2.	!Unknown	9.773	1.3	J
3.	!Unknown Alkane	12.655	.94	J
4.	!Unknown Alkane	13.143	.88	J
5.	!Unknown	13.842	.93	J
6.	!Unknown Alkane	13.952	1.1	J
7.	!Unknown	14.582	1.3	J
8.	!Unknown	14.942	1.5	J
9.	!Unknown	15.603	1.1	J
10.	!Unknown	16.546	1.0	J
11.	!Unknown Cycloalkane	16.737	1.4	J
12.	!Unknown	16.948	.97	J
13.	!Unknown	17.501	1.9	J
14.	!Unknown	18.347	1.4	J
15.	!2,2'-Dimethylbiphenyl	18.559	2.3	JX
16.	!4,4'-Dimethylbiphenyl	18.801	1.4	JX
17.	!Unknown	18.882	1.2	J
18.	!Unknown	19.336	.97	J
19.	!Unknown	19.719	1.0	J
20.	!Unknown	20.276	1.1	J
21.	!Anthracene, 9-methyl-	20.458	1.3	JX
22.	!Phenanthrene, 3,6-dimethyl-	21.045	.99	JX
23.	!Phenanthrene, 2,3-dimethyl-	21.258	1.1	JX
24.	!9,10-Dimethylanthracene	21.653	1.1	JX
25.	!o-Terphenyl	23.442	.73	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*This limit was used in the evaluation of the final result

AR101559

Lancaster Laboratories Sample No. SW 4584271

05-MET-023 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 12:10

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET23

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0470 J	0.0031	0.118	mg/kg	1
06925	Thallium	7440-28-0	1.29 J	1.15	2.41	mg/kg	1
06935	Arsenic	7440-38-2	4.76	0.806	2.41	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.15	2.41	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.986	2.41	mg/kg	1
06947	Beryllium	7440-41-7	0.837	0.0517	0.601	mg/kg	1
06949	Cadmium	7440-43-9	0.242 J	0.103	0.601	mg/kg	1
06951	Chromium	7440-47-3	32.8	0.638	1.80	mg/kg	1
06953	Copper	7440-50-8	13.0	0.361	1.20	mg/kg	1
06955	Lead	7439-92-1	36.0	0.938	2.41	mg/kg	1
06961	Nickel	7440-02-0	15.8	0.397	1.20	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.229	0.601	mg/kg	1
06972	Zinc	7440-66-6	108.	0.553	2.41	mg/kg	1
00111	Moisture	n.a.	18.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.60	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00417	0.0204	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00417	0.0204	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00417	0.0204	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00810	0.0417	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00810	0.0417	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00810	0.0417	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0417	0.204	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00417	0.0204	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00417	0.0204	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00515	0.0204	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00417	0.0204	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00810	0.0417	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00810	0.0417	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0982	0.417	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.270	0.810	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00417	0.0204	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00810	0.0417	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00810	0.0417	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00810	0.0417	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101560

Lancaster Laboratories Sample No. SW 4584271

05-MET-023 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 12:10

by █

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET23

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.182	0.417	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0810	0.417	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.118	0.417	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0736	0.417	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.270	0.810	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0810	0.417	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.270	0.810	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.61	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.082	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	0.14 J	0.041	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.61	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.082	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.61	mg/kg	1
01195	Pyrene	129-00-0	1.5	0.041	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.041	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.82	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.61	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.082	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101561

Lancaster Laboratories Sample No. SW 4584271

05-MET-023 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 12:10

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET23

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.		0.041	0.20	mg/kg	1
03761	Naphthalene	91-20-3	0.085 J		0.041	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.		0.082	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.		0.20	0.61	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.		0.041	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.		0.041	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.		0.082	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.		0.041	0.20	mg/kg	1
03768	Fluorene	86-73-7	0.17 J		0.041	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.		0.041	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.		0.082	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.		0.041	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.		0.041	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.								
03773	4-Bromophenyl-phenylether	101-55-3	N.D.		0.041	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.		0.041	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	0.12 J		0.041	0.20	mg/kg	1
03776	Anthracene	120-12-7	0.36		0.041	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.		0.082	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	0.42		0.041	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.		0.82	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.		0.082	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.1		0.041	0.20	mg/kg	1
03782	Chrysene	218-01-9	1.7		0.041	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.		0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		0.082	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.		0.082	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.44		0.041	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.11 J		0.041	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.47		0.041	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.20 J		0.041	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.23		0.041	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.34		0.041	0.20	mg/kg	1
06373	Add'l Volatile Compounds							
05677	1,2-Dibromoethane	106-93-4	N.D.		0.001	0.006	mg/kg	1
07584	PPL Volatiles							

\*=This limit was used in the evaluation of the final result

AR101562

Lancaster Laboratories Sample No. SW 4584271

05-MET-023 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 12:10

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:41  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET23

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.025	0.12	mg/kg	1
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	1
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	1
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	1
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	1
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	1
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	1
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	1
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	1
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	1
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	1
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	1
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	1
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	1
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	1
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	1
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	1
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	1
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	1
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	1
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	1
07586	Acrolein	107-02-8	N.D.	0.025	0.12	mg/kg	1
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.025	mg/kg	1

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

\*=This limit was used in the evaluation of the final result

AR101563

Lancaster Laboratories Sample No. SW 4584271

05-MET-023 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 12:10

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:41

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET23

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 10:55	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 21:19	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:29	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:47	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/23/2005 12:02	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 04:57	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 00:54	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 18:13	[REDACTED]	1
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 18:13	[REDACTED]	1
00381	BNA Soil Extraction	SW-846 3550B	1	08/17/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101564

Lancaster Laboratories Sample No. SW 4584271

05-MET-023 Grab Soil Sample  
N(5.5-6)  
Former Metro Container Investigation

Collected: 08/15/2005 12:10

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:41

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**MET23**

05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:20	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/20/2005 18:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 14:02	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:19	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:19	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584271  
Sample wt/vol: 4.99 (g/mL) g Lab File ID: HP09193.i/05aug18a.b/xg18s10.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. 18 Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.95	0.95	J
2.	Unknown alkane	13.74	0.045	J
3.	Unknown alkane	14.05	0.044	J
4.	Unknown alicyclic	14.11	0.037	J
5.	Unknown alkane	14.15	0.071	J
6.	Unknown alicyclic	14.22	0.055	J
7.	Unknown alkane	14.40	0.058	J
8.	Unknown	14.47	0.039	J
9.	Unknown alkane	14.53	0.046	J
10.	Unknown	14.64	0.045	J
11.	Unknown	14.77	0.065	J
12.	Unknown alkane	14.83	0.060	J
13.	Unknown alkane	14.93	0.035	J
14.	Unknown alkane	15.01	0.042	J
15.	Unknown	15.07	0.041	J
16.				
17.				
18.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101566

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. \_\_\_\_\_  
!MET23  
!\_\_\_\_\_

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584271  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh221.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 18 Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sonc

CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.889	14	JAB
2.	!Unknown Alkane	15.589	1.4	J
3.	!Unknown Cycloalkane	16.733	1.3	J
4.	!Unknown	17.125	1.0	J
5.	!Unknown Alkane	17.527	2.5	J
6.	!Unknown Alkane	18.081	1.3	J
7.	!4,4'-Dimethylbiphenyl	18.807	1.2	JX
8.	!Unknown Alkane	19.019	2.3	J
9.	!Unknown	19.372	1.0	J
10.	!Unknown	19.493	1.0	J
11.	!Unknown Cycloalkane	19.645	1.0	J
12.	!Unknown	19.716	2.0	J
13.	!Unknown	19.908	1.7	J
14.	!Anthracene, 1-methyl-	20.383	1.8	JX
15.	!Unknown	20.454	1.1	J
16.	!Unknown	20.778	1.2	J
17.	!Unknown	21.051	2.2	J
18.	!Phenanthrene, 2,3-dimethyl-	21.264	1.1	JX
19.	!Pyrene, 2-methyl-	22.748	.61	JX
20.	!Pyrene, 2-methyl-	22.921	.63	JX
21.	!Unknown	23.083	.63	J
22.	!Unknown	23.532	.57	J
23.	!Unknown	24.133	.65	J
24.	!Benzo[b]naphtho[2,3-d]thioph	24.429	.59	JX
25.	!Benz[a]anthracene, 1-methyl-	25.185	.89	JX
26.	_____	_____	_____	_____
27.	_____	_____	_____	_____
28.	_____	_____	_____	_____
29.	_____	_____	_____	_____
30.	_____	_____	_____	_____

page 1 of 1

FORM I SV-1

\*This limit was used in the evaluation of the final result

AR101567

Lancaster Laboratories Sample No. SW 4584272

05-MET-024 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET24

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.138	0.0030	0.114	mg/kg	1
06925	Thallium	7440-28-0	1.51 J	1.09	2.26	mg/kg	1
06935	Arsenic	7440-38-2	5.64	0.757	2.26	mg/kg	1
06936	Selenium	7782-49-2	1.26 J	1.09	2.26	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.927	2.26	mg/kg	1
06947	Beryllium	7440-41-7	0.511 J	0.0486	0.565	mg/kg	1
06949	Cadmium	7440-43-9	0.286 J	0.0972	0.565	mg/kg	1
06951	Chromium	7440-47-3	34.7	0.599	1.70	mg/kg	1
06953	Copper	7440-50-8	43.6	0.339	1.13	mg/kg	1
06955	Lead	7439-92-1	67.9	0.882	2.26	mg/kg	1
06961	Nickel	7440-02-0	15.4	0.373	1.13	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.215	0.565	mg/kg	1
06972	Zinc	7440-66-6	53.0	0.520	2.26	mg/kg	1
00111	Moisture	n.a.	12.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.20	0.55	mg/kg	1
05912	Phenols	n.a.	3.7 J	1.4	4.0	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00388	0.0189	mg/kg	20
01219	Heptachlor	76-44-8	0.00429 J	0.00388	0.0189	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00388	0.0189	mg/kg	20
01221	p,p-DDT	50-29-3	0.0124 J	0.00753	0.0388	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00753	0.0388	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00753	0.0388	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0388	0.189	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00388	0.0189	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00388	0.0189	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00479	0.0189	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00388	0.0189	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00753	0.0388	mg/kg	20
01986	p,p-DDD	72-54-8	0.0218 J	0.00753	0.0388	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0913	0.388	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.251	0.753	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00388	0.0189	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00753	0.0388	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00753	0.0388	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00753	0.0388	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101568

Lancaster Laboratories Sample No. SW 4584272

05-MET-024 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:00

by █

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET24

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.169	0.388	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0753	0.388	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.110	0.388	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0685	0.388	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.251	0.753	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0753	0.388	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.251	0.753	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.1	5.7	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.38	1.9	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.38	1.9	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.38	1.9	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.38	1.9	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.38	1.9	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.76	1.9	mg/kg	10
01191	Acenaphthene	83-32-9	1.1 J	0.38	1.9	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	1.9	5.7	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.76	1.9	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	1.9	5.7	mg/kg	10
01195	Pyrene	129-00-0	8.7	0.38	1.9	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	0.41 J	0.38	1.9	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.38	1.9	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.1	1.9	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.38	1.9	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.38	1.9	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	7.6	23.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.9	5.7	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	1.9	1.9	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.38	1.9	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.38	1.9	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.38	1.9	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.38	1.9	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.38	1.9	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.38	1.9	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.38	1.9	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101569

Lancaster Laboratories Sample No. SW 4584272

05-MET-024 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET24

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.		0.38	1.9	mg/kg	10
03761	Naphthalene	91-20-3	0.53 J		0.38	1.9	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.		0.76	1.9	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.		1.9	5.7	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.		0.38	1.9	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.		0.38	1.9	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.		0.76	1.9	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.		0.38	1.9	mg/kg	10
03768	Fluorene	86-73-7	1.0 J		0.38	1.9	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.		0.38	1.9	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.		0.76	1.9	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.		0.38	1.9	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.		0.38	1.9	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.								
03773	4-Bromophenyl-phenylether	101-55-3	N.D.		0.38	1.9	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.		0.38	1.9	mg/kg	10
03775	Phenanthrene	85-01-8	8.6		0.38	1.9	mg/kg	10
03776	Anthracene	120-12-7	1.8 J		0.38	1.9	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.		0.76	1.9	mg/kg	10
03778	Fluoranthene	206-44-0	9.5		0.38	1.9	mg/kg	10
03779	Benzidine	92-87-5	N.D.		7.6	23.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.		0.76	1.9	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	5.7		0.38	1.9	mg/kg	10
03782	Chrysene	218-01-9	5.6		0.38	1.9	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.		1.1	3.8	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		0.76	3.8	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.		0.76	1.9	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	6.1		0.38	1.9	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	2.1		0.38	1.9	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	6.8		0.38	1.9	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	3.4		0.38	1.9	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	2.8		0.38	1.9	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	6.0		0.38	1.9	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

Lancaster Laboratories Sample No. SW 4584272

05-MET-024 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET24

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	1.07
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	1.07
02020	t-Butyl alcohol	75-65-0	N.D.	0.024	0.12	mg/kg	1.07
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	1.07
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	1.07
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	1.07
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	1.07
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	1.07
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	1.07
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	1.07
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	1.07
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	1.07
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	1.07
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	1.07
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	1.07
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	1.07
05460	Benzene	71-43-2	0.0006 J	0.0006	0.006	mg/kg	1.07
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	1.07
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	1.07
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	1.07
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	1.07
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	1.07
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	1.07
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	1.07
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	1.07
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	1.07
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	1.07
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	1.07
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	1.07
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	1.07
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	1.07
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	1.07
07586	Acrolein	107-02-8	N.D.	0.024	0.12	mg/kg	1.07
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.024	mg/kg	1.07

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The GC/MS volatile internal standard peak areas were outside the QC limits

\*=This limit was used in the evaluation of the final result

AR101571



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 5 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4584272

05-MET-024 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:42

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET24

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Dry Limit of Quantitation	Units	Dilution Factor
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for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 09:18	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 21:23	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:32	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101572

Lancaster Laboratories Sample No. SW 4584272

05-MET-024 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/15/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

**MET24**

05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:48	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/23/2005 12:03	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 05:17	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 19:08	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 18:36	[REDACTED]	1.07
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 18:36	[REDACTED]	1.07
00381	BNA Soil Extraction	SW-846 3550B	1	08/16/2005 16:55	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/20/2005 18:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 14:03	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:20	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:20	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584272  
Sample wt/vol: 4.66 (g/mL) g Lab File ID: HP09193.i/05aug18a.b/xg18s11.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. 12 Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.94	0.18	J
2. 7446-09-5	Sulfur dioxide	2.11	0.047	J
3.	Unknown	2.31	0.017	J
4. 75-15-0	Carbon disulfide	3.86	0.041	J
5.	Unknown siloxane	10.24	0.007	J
6.	Unknown siloxane	12.26	0.018	J
7.				
8.				
9.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101574

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4584272  
Sample wt/vol: 30 (g/mL) g Lab File ID: eh0581.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 12 Decanted: (Y/N)                      Date Extracted: 08/16/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH:                      Extraction: Sonic  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.534	26	J
2.	!Unknown	10.494	4.0	J
3.	!Unknown	10.659	3.6	J
4.	!Benzo[a]pyrene	10.804	7.8	JX
5.	!Unknown	10.927	3.6	J
6.	!Unknown	11.007	3.9	J
7.	!Unknown	11.028	5.7	J
8.	!Unknown	11.087	5.6	J
9.	!Unknown	11.108	5.5	J
10.	!Unknown	11.156	4.3	J
11.	!Unknown	11.220	6.0	J
12.	!Unknown	11.269	4.1	J
13.	!Unknown	11.317	4.3	J
14.	!Unknown	11.365	4.2	J
15.	!Unknown	11.381	3.9	J
16.	!Unknown	11.413	8.5	J
17.	!Unknown	11.520	4.1	J
18.	!Unknown	11.562	6.8	J
19.	!Unknown	11.642	8.2	J
20.	!Unknown	11.792	3.2	J
21.	!Unknown	11.840	4.5	J
22.	!Unknown	11.872	9.5	J
23.	!Unknown	12.081	3.1	J
24.	!Unknown	12.310	4.3	J
25.	!Unknown	12.401	4.9	J
26.				
27.				
28.				
29.				
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101575

Lancaster Laboratories Sample No. SW 4584273

05-MET-021 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/15/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET21

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0324 J	0.0035	0.129	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.28	2.66	mg/kg	1
06935	Arsenic	7440-38-2	6.15	0.891	2.66	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.28	2.66	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.09	2.66	mg/kg	1
06947	Beryllium	7440-41-7	0.455 J	0.0572	0.665	mg/kg	1
06949	Cadmium	7440-43-9	0.291 J	0.114	0.665	mg/kg	1
06951	Chromium	7440-47-3	25.6	0.705	2.00	mg/kg	1
06953	Copper	7440-50-8	36.0	0.399	1.33	mg/kg	1
06955	Lead	7439-92-1	35.1	1.04	2.66	mg/kg	1
06961	Nickel	7440-02-0	16.6	0.439	1.33	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.253	0.665	mg/kg	1
06972	Zinc	7440-66-6	74.0	0.612	2.66	mg/kg	1
00111	Moisture	n.a.	26.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.66	mg/kg	1
05912	Phenols	n.a.	1.7 J	1.6	4.7	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0138	0.0676	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.0138	0.0676	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.0138	0.0676	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0269	0.138	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.0269	0.138	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0269	0.138	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.138	0.676	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.0138	0.0676	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.0138	0.0676	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.0171	0.0676	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0138	0.0676	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0269	0.138	mg/kg	20
01986	p,p-DDD	72-54-8	0.0636 J	0.0269	0.138	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.326	1.38	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.896	2.69	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.0138	0.0676	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0269	0.138	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0269	0.138	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0269	0.138	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101576

Lancaster Laboratories Sample No. SW 4584273

05-MET-021 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/15/2005 14:30

by █

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET21

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.602	1.38	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.269	1.38	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.391	1.38	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.244	1.38	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.896	2.69	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.269	1.38	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.896	2.69	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	6.8	34.	mg/kg	10
01185	Phenol	108-95-2	N.D.	2.3	11.	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	2.3	11.	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	2.3	11.	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	2.3	11.	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	2.3	11.	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	4.5	11.	mg/kg	10
01191	Acenaphthene	83-32-9	4.0 J	2.3	11.	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	11.	34.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	4.5	11.	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	11.	34.	mg/kg	10
01195	Pyrene	129-00-0	42.	2.3	11.	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	2.3	11.	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	2.3	11.	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	6.8	11.	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	2.3	11.	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	2.3	11.	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	45.	140.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	11.	34.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	11.	11.	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	2.3	11.	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	2.3	11.	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	2.3	11.	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	2.3	11.	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	2.3	11.	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101577

Lancaster Laboratories Sample No. SW 4584273

05-MET-021 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/15/2005 14:30

by █

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET21

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	2.3	11.	mg/kg	10
03759	Isophorone	78-59-1	N.D.	2.3	11.	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	2.3	11.	mg/kg	10
03761	Naphthalene	91-20-3	2.6 J	2.3	11.	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	4.5	11.	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	11.	34.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	2.3	11.	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	2.3	11.	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	4.5	11.	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	2.3	11.	mg/kg	10
03768	Fluorene	86-73-7	5.3 J	2.3	11.	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	2.3	11.	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	4.5	11.	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	2.3	11.	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	2.3	11.	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	2.3	11.	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	2.3	11.	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	2.3	11.	mg/kg	10
03776	Anthracene	120-12-7	10. J	2.3	11.	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	4.5	11.	mg/kg	10
03778	Fluoranthene	206-44-0	6.6 J	2.3	11.	mg/kg	10
03779	Benzidine	92-87-5	N.D.	45.	140.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	4.5	11.	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	75.	2.3	11.	mg/kg	10
03782	Chrysene	218-01-9	70.	2.3	11.	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	6.8	23.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	4.5	23.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	4.5	11.	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	38.	2.3	11.	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	7.8 J	2.3	11.	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	97.	2.3	11.	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	31.	2.3	11.	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	39.	2.3	11.	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	68.	2.3	11.	mg/kg	10

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4584273

05-MET-021 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/15/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET21

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.						
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.065	0.33	mg/kg	47.98
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.033	0.33	mg/kg	47.98
02020	t-Butyl alcohol	75-65-0	N.D.	1.3	6.5	mg/kg	47.98
05444	Chloromethane	74-87-3	N.D.	0.13	0.33	mg/kg	47.98
05445	Vinyl Chloride	75-01-4	1.3	0.065	0.33	mg/kg	47.98
05446	Bromomethane	74-83-9	N.D.	0.13	0.33	mg/kg	47.98
05447	Chloroethane	75-00-3	N.D.	0.13	0.33	mg/kg	47.98
05448	Trichlorofluoromethane	75-69-4	N.D.	0.13	0.33	mg/kg	47.98
05449	1,1-Dichloroethene	75-35-4	N.D.	0.065	0.33	mg/kg	47.98
05450	Methylene Chloride	75-09-2	N.D.	0.13	0.33	mg/kg	47.98
05451	trans-1,2-Dichloroethene	156-60-5	0.36	0.065	0.33	mg/kg	47.98
05452	1,1-Dichloroethane	75-34-3	N.D.	0.065	0.33	mg/kg	47.98
05454	cis-1,2-Dichloroethene	156-59-2	3.6	0.065	0.33	mg/kg	47.98
05455	Chloroform	67-66-3	N.D.	0.065	0.33	mg/kg	47.98
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.065	0.33	mg/kg	47.98
05458	Carbon Tetrachloride	56-23-5	N.D.	0.065	0.33	mg/kg	47.98
05460	Benzene	71-43-2	0.079 J	0.033	0.33	mg/kg	47.98
05461	1,2-Dichloroethane	107-06-2	N.D.	0.065	0.33	mg/kg	47.98
05462	Trichloroethene	79-01-6	0.19 J	0.065	0.33	mg/kg	47.98
05463	1,2-Dichloropropane	78-87-5	N.D.	0.065	0.33	mg/kg	47.98
05465	Bromodichloromethane	75-27-4	N.D.	0.065	0.33	mg/kg	47.98
05466	Toluene	108-88-3	0.18 J	0.065	0.33	mg/kg	47.98
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.065	0.33	mg/kg	47.98
05468	Tetrachloroethene	127-18-4	0.63	0.065	0.33	mg/kg	47.98
05470	Dibromochloromethane	124-48-1	N.D.	0.065	0.33	mg/kg	47.98
05472	Chlorobenzene	108-90-7	N.D.	0.065	0.33	mg/kg	47.98
05474	Ethylbenzene	100-41-4	0.16 J	0.065	0.33	mg/kg	47.98
05478	Bromoform	75-25-2	N.D.	0.065	0.33	mg/kg	47.98
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.065	0.33	mg/kg	47.98
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.065	0.33	mg/kg	47.98
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.065	0.33	mg/kg	47.98
06301	Xylene (Total)	1330-20-7	0.57	0.065	0.33	mg/kg	47.98
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.13	0.65	mg/kg	47.98

\*This limit was used in the evaluation of the final result

AR101579

Lancaster Laboratories Sample No. SW 4584273

05-MET-021 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/15/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:42  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET21

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07586	Acrolein	107-02-8	N.D.	1.3	6.5	mg/kg	47.98
07587	Acrylonitrile	107-13-1	N.D.	0.26	1.3	mg/kg	47.98

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 09:20	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 21:28	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:32	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/17/2005 20:49	[REDACTED]	1

\*This limit was used in the evaluation of the final result

AR101580

Lancaster Laboratories Sample No. SW 4584273

05-MET-021 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/15/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:42

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**MET21**

05912	Phenols	SW846 9066	2	08/23/2005 12:07	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 05:38	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 19:29	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 09:23	[REDACTED]	47.98
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 09:23	[REDACTED]	47.98
00381	BNA Soil Extraction	SW-846 3550B	1	08/16/2005 16:55	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/17/2005 07:15	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/20/2005 18:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 14:05	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:21	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:21	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584273  
Sample wt/vol: 5.21 (g/mL) g Lab File ID: HP07566.i/05aug19a.b/rg19s10.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 26 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 48.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	11.16	1.2	J
2.	!Unknown alicyclic	12.02	1.4	J
3.	!Unknown	12.55	2.0	J
4.	!Unknown alicyclic	13.02	1.2	J
5.	!Unknown aromatic	13.72	2.0	J
6.	!Unknown alicyclic	13.84	1.6	J
7.	!Unknown aromatic	14.14	1.3	J
8.	!Unknown aromatic	14.31	1.2	J
9.	!Unknown aromatic	14.44	2.4	J
10.	!Unknown aromatic	14.54	2.1	J
11.	!Unknown aromatic	14.66	1.1	J
12.	!Unknown	14.75	1.3	J
13.	!Unknown aromatic	14.79	1.5	J
14.	!Unknown aromatic	14.90	1.1	J
15.	!Unknown aromatic	15.16	1.9	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101582

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4584273  
Sample wt/vol: 30 (g/mL) g Lab File ID: eh0582.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 26 Decanted: (Y/N)                      Date Extracted: 08/16/05  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH:                      Extraction: Sonic  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	8.448	110	J
2.	!Unknown	8.587	82	J
3.	!Unknown	8.715	39	J
4.	!Unknown	8.790	40	J
5.	!Unknown	8.875	45	J
6.	!Unknown	8.939	57	J
7.	!Unknown	9.030	46	J
8.	!Unknown	9.073	42	J
9.	!Pyrene, 4-methyl-	9.110	48	JX
10.	!Unknown	9.180	54	J
11.	!Unknown	9.383	46	J
12.	!Unknown	9.442	51	J
13.	!Unknown	9.484	51	J
14.	!Unknown	9.522	58	J
15.	!Unknown Cycloalkane	9.580	54	J
16.	!Unknown	9.858	71	J
17.	!Triphenylene, 2-methyl-	10.077	71	JX
18.	!Unknown	10.409	67	J
19.	!Benzo[c]phenanthrene, 5,8-di	10.441	72	JX
20.	!Unknown	10.494	92	J
21.	!Unknown	10.547	76	J
22.	!Perylene	10.809	100	J
23.	!Unknown	10.932	77	J
24.	!Unknown	11.034	79	J
25.	!Benz[j]aceanthrylene, 3-meth	11.098	75	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101583

Lancaster Laboratories Sample No. SW 4584274

05-MET-021A Grab Soil Sample  
N((8.5-9))  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:43  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT21A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0211 J	0.0034	0.127	mg/kg	1
06925	Thallium	7440-28-0	1.62 J	1.25	2.60	mg/kg	1
06935	Arsenic	7440-38-2	6.62	0.871	2.60	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.25	2.60	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.07	2.60	mg/kg	1
06947	Beryllium	7440-41-7	0.585 J	0.0559	0.650	mg/kg	1
06949	Cadmium	7440-43-9	0.218 J	0.112	0.650	mg/kg	1
06951	Chromium	7440-47-3	27.6	0.689	1.95	mg/kg	1
06953	Copper	7440-50-8	24.9	0.390	1.30	mg/kg	1
06955	Lead	7439-92-1	25.3	1.01	2.60	mg/kg	1
06961	Nickel	7440-02-0	15.8	0.429	1.30	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.247	0.650	mg/kg	1
06972	Zinc	7440-66-6	54.7	0.598	2.60	mg/kg	1
00111	Moisture	n.a.	24.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.64	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0135	0.0660	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.0135	0.0660	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.0135	0.0660	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0263	0.135	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.0263	0.135	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0263	0.135	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.135	0.660	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.0135	0.0660	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.0135	0.0660	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.0167	0.0660	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0135	0.0660	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0263	0.135	mg/kg	20
01986	p,p-DDD	72-54-8	0.115 J	0.0263	0.135	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.318	1.35	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.875	2.63	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.0135	0.0660	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0263	0.135	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0263	0.135	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0263	0.135	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101584

Lancaster Laboratories Sample No. SW 4584274

05-MET-021A Grab Soil Sample  
N((8.5-9))  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by ■

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:43  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT21A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.589	1.35	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.263	1.35	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.382	1.35	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.239	1.35	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.875	2.63	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.263	1.35	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.875	2.63	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	2.7	13.	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.88	4.4	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.88	4.4	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.88	4.4	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.88	4.4	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.88	4.4	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	1.8	4.4	mg/kg	10
01191	Acenaphthene	83-32-9	2.1 J	0.88	4.4	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	4.4	13.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	1.8	4.4	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	4.4	13.	mg/kg	10
01195	Pyrene	129-00-0	20.	0.88	4.4	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.88	4.4	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.88	4.4	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	2.7	4.4	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.88	4.4	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.88	4.4	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	18.	53.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	4.4	13.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	4.4	4.4	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.88	4.4	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.88	4.4	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.88	4.4	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.88	4.4	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.88	4.4	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101585

Lancaster Laboratories Sample No. SW 4584274

05-MET-021A Grab Soil Sample  
N((8.5-9))  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:43  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT21A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.88	4.4	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.88	4.4	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.88	4.4	mg/kg	10
03761	Naphthalene	91-20-3	1.4 J	0.88	4.4	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	1.8	4.4	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	4.4	13.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.88	4.4	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.88	4.4	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	1.8	4.4	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.88	4.4	mg/kg	10
03768	Fluorene	86-73-7	3.0 J	0.88	4.4	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.88	4.4	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	1.8	4.4	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.88	4.4	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.88	4.4	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.88	4.4	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.88	4.4	mg/kg	10
03775	Phenanthrene	85-01-8	1.4 J	0.88	4.4	mg/kg	10
03776	Anthracene	120-12-7	5.5	0.88	4.4	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	1.8	4.4	mg/kg	10
03778	Fluoranthene	206-44-0	2.9 J	0.88	4.4	mg/kg	10
03779	Benzidine	92-87-5	N.D.	18.	53.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	1.8	4.4	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	37.	0.88	4.4	mg/kg	10
03782	Chrysene	218-01-9	30.	0.88	4.4	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.7	8.8	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.8	8.8	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	1.8	4.4	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	17.	0.88	4.4	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	4.3 J	0.88	4.4	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	46.	0.88	4.4	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	15.	0.88	4.4	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	17.	0.88	4.4	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	32.	0.88	4.4	mg/kg	10

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4584274

05-MET-021A Grab Soil Sample  
N((8.5-9))  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:43  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT21A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.						
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.064	0.32	mg/kg	47.89
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.032	0.32	mg/kg	47.89
02020	t-Butyl alcohol	75-65-0	N.D.	1.3	6.4	mg/kg	47.89
05444	Chloromethane	74-87-3	N.D.	0.13	0.32	mg/kg	47.89
05445	Vinyl Chloride	75-01-4	0.74	0.064	0.32	mg/kg	47.89
05446	Bromomethane	74-83-9	N.D.	0.13	0.32	mg/kg	47.89
05447	Chloroethane	75-00-3	N.D.	0.13	0.32	mg/kg	47.89
05448	Trichlorofluoromethane	75-69-4	N.D.	0.13	0.32	mg/kg	47.89
05449	1,1-Dichloroethene	75-35-4	N.D.	0.064	0.32	mg/kg	47.89
05450	Methylene Chloride	75-09-2	N.D.	0.13	0.32	mg/kg	47.89
05451	trans-1,2-Dichloroethene	156-60-5	0.29	J 0.064	0.32	mg/kg	47.89
05452	1,1-Dichloroethane	75-34-3	N.D.	0.064	0.32	mg/kg	47.89
05454	cis-1,2-Dichloroethene	156-59-2	2.3	0.064	0.32	mg/kg	47.89
05455	Chloroform	67-66-3	N.D.	0.064	0.32	mg/kg	47.89
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.064	0.32	mg/kg	47.89
05458	Carbon Tetrachloride	56-23-5	N.D.	0.064	0.32	mg/kg	47.89
05460	Benzene	71-43-2	N.D.	0.032	0.32	mg/kg	47.89
05461	1,2-Dichloroethane	107-06-2	N.D.	0.064	0.32	mg/kg	47.89
05462	Trichloroethene	79-01-6	0.16	J 0.064	0.32	mg/kg	47.89
05463	1,2-Dichloropropane	78-87-5	N.D.	0.064	0.32	mg/kg	47.89
05465	Bromodichloromethane	75-27-4	N.D.	0.064	0.32	mg/kg	47.89
05466	Toluene	108-88-3	0.12	J 0.064	0.32	mg/kg	47.89
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.064	0.32	mg/kg	47.89
05468	Tetrachloroethene	127-18-4	0.55	0.064	0.32	mg/kg	47.89
05470	Dibromochloromethane	124-48-1	N.D.	0.064	0.32	mg/kg	47.89
05472	Chlorobenzene	108-90-7	N.D.	0.064	0.32	mg/kg	47.89
05474	Ethylbenzene	100-41-4	0.11	J 0.064	0.32	mg/kg	47.89
05478	Bromoform	75-25-2	N.D.	0.064	0.32	mg/kg	47.89
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.064	0.32	mg/kg	47.89
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.064	0.32	mg/kg	47.89
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.064	0.32	mg/kg	47.89
06301	Xylene (Total)	1330-20-7	0.44	0.064	0.32	mg/kg	47.89
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.13	0.64	mg/kg	47.89

\*=This limit was used in the evaluation of the final result

AR101587



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 5 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4584274

05-MET-021A Grab Soil Sample  
N((8.5-9))  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:43  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT21A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07586	Acrolein	107-02-8	N.D.	1.3	6.4	mg/kg	47.89
07587	Acrylonitrile	107-13-1	N.D.	0.25	1.3	mg/kg	47.89

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 09:21	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 21:33	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:32	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	2	08/22/2005 11:16	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101588

Lancaster Laboratories Sample No. SW 4584274

05-MET-021A Grab Soil Sample  
N((8.5-9))  
Former Metro Container Investigation

Collected: 08/15/2005 14:35

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:43  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

## MT21A

05912	Phenols	SW846 9066	2	08/23/2005 12:08	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 05:59	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 19:50	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 09:45	[REDACTED]	47.89
07584	PPL Volatiles	SW-846 8260B	1	08/19/2005 09:45	[REDACTED]	47.89
00381	BNA Soil Extraction	SW-846 3550B	1	08/16/2005 16:55	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/20/2005 18:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 14:06	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:22	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:22	[REDACTED]	n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584274  
Sample wt/vol: 5.22 (g/mL) g Lab File ID: HP07566.i/05aug19a.b/rg19s11.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. 25 Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 47.9  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	11.16	1.2	J
2.	!Unknown alicyclic	12.02	1.4	J
3.	!Unknown alicyclic	12.55	1.9	J
4.	!Unknown alicyclic	13.02	1.2	J
5.	!Unknown aliphatic	13.41	0.95	J
6.	!Unknown aromatic	13.72	1.7	J
7.	!Unknown alicyclic	13.84	1.6	J
8.	!Unknown aromatic	13.97	0.96	J
9.	!Unknown aromatic	14.14	1.2	J
10.	!Unknown aromatic	14.31	1.1	J
11.	!Unknown aromatic	14.44	2.0	J
12.	!Unknown aromatic	14.54	1.8	J
13.	!Unknown aromatic	14.75	1.2	J
14.	!Unknown aromatic	14.79	1.3	J
15.	!Unknown aromatic	15.16	1.7	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101590

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4584274  
Sample wt/vol: 30 (g/mL) g Lab File ID: eh0583.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: 25 Decanted: (Y/N)                      Date Extracted: 08/16/05  
Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH:                      Extraction: Sonic  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	8.448	46	J
2.	!Unknown Cycloalkane	8.485	35	J
3.	!Unknown	8.875	11	J
4.	!Unknown	9.030	13	J
5.	!Unknown	9.073	11	J
6.	!Unknown	9.116	14	J
7.	!Unknown	9.185	16	J
8.	!Unknown	9.287	12	J
9.	!Unknown	9.367	15	J
10.	!Unknown	9.447	19	J
11.	!Unknown	9.490	11	J
12.	!Unknown	9.527	14	J
13.	!Unknown	9.580	13	J
14.	!Benz[a]anthracene, 1-methyl-	10.077	19	JX
15.	!Unknown	10.109	10	J
16.	!Benzo[c]phenanthrene, 1,12-d	10.371	41	JX
17.	!Unknown	10.440	36	J
18.	!Unknown	10.494	36	J
19.	!Perylene	10.814	43	JX
20.	!Unknown	10.937	32	J
21.	!Unknown	11.033	45	J
22.	!Unknown	11.098	39	J
23.	!Unknown	11.119	39	J
24.	!Unknown	11.167	43	J
25.	!Unknown	11.418	43	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101591

Lancaster Laboratories Sample No. SW 4584275

05-MET-021S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/15/2005 14:40

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:44  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT21S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0219 J	0.0033	0.125	mg/kg	1
06925	Thallium	7440-28-0	1.28 J	1.22	2.54	mg/kg	1
06935	Arsenic	7440-38-2	4.80	0.850	2.54	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.22	2.54	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.04	2.54	mg/kg	1
06947	Beryllium	7440-41-7	0.480 J	0.0546	0.635	mg/kg	1
06949	Cadmium	7440-43-9	0.269 J	0.109	0.635	mg/kg	1
06951	Chromium	7440-47-3	23.6	0.673	1.90	mg/kg	1
06953	Copper	7440-50-8	12.5	0.381	1.27	mg/kg	1
06955	Lead	7439-92-1	18.4	0.990	2.54	mg/kg	1
06961	Nickel	7440-02-0	14.3	0.419	1.27	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.241	0.635	mg/kg	1
06972	Zinc	7440-66-6	63.6	0.584	2.54	mg/kg	1
00111	Moisture	n.a.	23.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.64	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0133	0.0651	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.0133	0.0651	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.0133	0.0651	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0259	0.133	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.0259	0.133	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0259	0.133	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.133	0.651	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.0133	0.0651	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.0133	0.0651	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.0165	0.0651	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0133	0.0651	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0259	0.133	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.0259	0.133	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.314	1.33	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.863	2.59	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.0133	0.0651	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0259	0.133	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0259	0.133	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0259	0.133	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101592

Lancaster Laboratories Sample No. SW 4584275

05-MET-021S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/15/2005 14:40

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:44  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT21S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.580	1.33	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.259	1.33	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.376	1.33	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.235	1.33	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.863	2.59	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.259	1.33	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.863	2.59	mg/kg	20

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	6.5	33.	mg/kg	10
01185	Phenol	108-95-2	N.D.	2.2	11.	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	2.2	11.	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	2.2	11.	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	2.2	11.	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	2.2	11.	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	4.4	11.	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	2.2	11.	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	11.	33.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	4.4	11.	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	11.	33.	mg/kg	10
01195	Pyrene	129-00-0	24.	2.2	11.	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	2.2	11.	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	2.2	11.	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	6.5	11.	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	2.2	11.	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	2.2	11.	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	44.	130.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	11.	33.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	11.	11.	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	2.2	11.	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	2.2	11.	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	2.2	11.	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	2.2	11.	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	2.2	11.	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101593

Lancaster Laboratories Sample No. SW 4584275

05-MET-021S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/15/2005 14:40

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:44  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT21S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	2.2	11.	mg/kg	10
03759	Isophorone	78-59-1	N.D.	2.2	11.	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	2.2	11.	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	2.2	11.	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	4.4	11.	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	11.	33.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	2.2	11.	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	2.2	11.	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	4.4	11.	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	2.2	11.	mg/kg	10
03768	Fluorene	86-73-7	3.1 J	2.2	11.	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	2.2	11.	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	4.4	11.	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	2.2	11.	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	2.2	11.	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	2.2	11.	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	2.2	11.	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	2.2	11.	mg/kg	10
03776	Anthracene	120-12-7	5.2 J	2.2	11.	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	4.4	11.	mg/kg	10
03778	Fluoranthene	206-44-0	3.7 J	2.2	11.	mg/kg	10
03779	Benzidine	92-87-5	N.D.	44.	130.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	4.4	11.	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	35.	2.2	11.	mg/kg	10
03782	Chrysene	218-01-9	33.	2.2	11.	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	6.5	22.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	4.4	22.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	4.4	11.	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	14.	2.2	11.	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	2.2	11.	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	27.	2.2	11.	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	9.3 J	2.2	11.	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	11.	2.2	11.	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	20.	2.2	11.	mg/kg	10

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4584275

05-MET-021S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/15/2005 14:40

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:44  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MT21S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	analysis. Therefore, the reporting limits for the GC/MS semivolatiles compounds were raised.						
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.06
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.06
02020	t-Butyl alcohol	75-65-0	N.D.	0.028	0.14	mg/kg	1.06
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.06
05445	Vinyl Chloride	75-01-4	0.036	0.001	0.007	mg/kg	1.06
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.06
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.06
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.06
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.06
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.06
05451	trans-1,2-Dichloroethene	156-60-5	0.003 J	0.001	0.007	mg/kg	1.06
05452	1,1-Dichloroethane	75-34-3	0.012	0.001	0.007	mg/kg	1.06
05454	cis-1,2-Dichloroethene	156-59-2	0.016	0.001	0.007	mg/kg	1.06
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.06
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.06
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.06
05460	Benzene	71-43-2	0.009	0.0007	0.007	mg/kg	1.06
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.06
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.06
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.06
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.06
05466	Toluene	108-88-3	0.009	0.001	0.007	mg/kg	1.06
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.06
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.06
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.06
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.06
05474	Ethylbenzene	100-41-4	0.017	0.001	0.007	mg/kg	1.06
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.06
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.06
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.06
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.06
06301	Xylene (Total)	1330-20-7	0.062	0.001	0.007	mg/kg	1.06
07586	Acrolein	107-02-8	N.D.	0.028	0.14	mg/kg	1.06

\*This limit was used in the evaluation of the final result

AR101595

Lancaster Laboratories Sample No. SW 4584275

05-MET-021S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/15/2005 14:40

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Montgomery Watson Harza

Reported: 09/28/2005 at 13:44

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

MT21S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.028	mg/kg	1.06
	2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/17/2005 09:25	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/17/2005 21:37	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/16/2005 15:32	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:17	[REDACTED]	1
05912	Phenols	SW846 9066	2	08/23/2005 12:12	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 06:19	[REDACTED]	20

\*=This limit was used in the evaluation of the final result

AR101596



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4584275

05-MET-021S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/15/2005 14:40

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:44

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MT21S

04688	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 20:10	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/22/2005 17:41	[REDACTED]	1.06
07584	PPL Volatiles	SW-846 8260B	1	08/22/2005 17:41	[REDACTED]	1.06
00381	BNA Soil Extraction	SW-846 3550B	1	08/16/2005 16:55	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/16/2005 20:20	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/16/2005 23:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/20/2005 18:45	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/17/2005 02:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 14:08	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/16/2005 07:23	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/16/2005 07:23	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR101597



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584275  
Sample wt/vol: 4.73 (g/mL) g Lab File ID: HP09193.i/05aug22a.b/xg22s06.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. 24 Date Analyzed: 08/22/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.95	1.3	J
2. 108-87-2	Cyclohexane, methyl-	8.46	0.055	J
3.	Unknown siloxane	10.23	0.027	J B
4.	Unknown	12.46	0.023	J
5.	Unknown aromatic	12.63	0.023	J
6.	Unknown aromatic	13.62	0.030	J
7.	Unknown alkane	13.74	0.027	J
8.	Unknown aromatic	14.05	0.026	J
9.	Unknown alkane	14.15	0.025	J
10.	Unknown aromatic	14.22	0.020	J
11.	Unknown aromatic	14.34	0.024	J
12.	Unknown	14.41	0.025	J
13.	Unknown aromatic	14.44	0.028	J
14.	Unknown	14.47	0.034	J
15.	Unknown	14.78	0.024	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101598

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	9.030	42	J
2.	Unknown	9.073	43	J
3.	Unknown	9.110	36	J
4.	Unknown Alkane	9.244	44	J
5.	Unknown	9.324	52	J
6.	Unknown	9.367	62	J
7.	Unknown	9.420	37	J
8.	Unknown	9.442	53	J
9.	Unknown	9.484	56	J
10.	Unknown	9.543	38	J
11.	Unknown	9.575	58	J
12.	Unknown	9.623	39	J
13.	Unknown Alkane	9.698	42	J
14.	Unknown	9.800	40	J
15.	Unknown	9.858	89	J
16.	Unknown Alkane	9.965	44	J
17.	Unknown	10.002	38	J
18.	Benz[a]anthracene, 4-methyl-	10.077	57	JX
19.	Unknown	10.104	37	J
20.	Unknown	10.136	54	J
21.	Unknown Alkane	10.232	42	J
22.	Chrysene, 5-ethyl-	10.366	140	JX
23.	Unknown	10.409	86	J
24.	Unknown	10.435	84	J
25.	Unknown	10.499	130	J
26.				
27.				
28.				
29.				
30.				

Lancaster Laboratories Sample No. WW 4584276

EB081505S Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/15/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:44

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	12.1 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	9.7 J	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0095	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.011	0.038	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0095	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0036	0.0095	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0095	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0047	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0095	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0038	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0057	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0057	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0095	0.028	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0038	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.066	0.47	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.28	0.95	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0038	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0095	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0057	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.095	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.095	0.47	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.10	0.47	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.095	0.47	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.095	0.47	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101600

Lancaster Laboratories Sample No. WW 4584276

EB081505S Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/15/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:44

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.095	0.47	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.47	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.095	0.47	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.028	0.095	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101601

Lancaster Laboratories Sample No. WW 4584276

EB081505S Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/15/2005 15:00

by █

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:44

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
06371	Add'l Volatile Compounds						
05662	1,2-Dibromoethane	106-93-4	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101602

Lancaster Laboratories Sample No. WW 4584276

EB081505S Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/15/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:44

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4584276

EB081505S Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/15/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 09/28/2005 at 13:44

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/19/2005 08:27	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/18/2005 02:22	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 02:22	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 02:22	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 02:22	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 02:22	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 02:22	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 02:22	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 02:22	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 02:22	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 02:22	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 02:22	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005 00:46	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/23/2005 11:44	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:16	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 22:11	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 15:17	[REDACTED]	1
06371	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 11:12	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 11:12	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 17:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/16/2005 21:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 11:12	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101604

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

! EB815 !

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584276  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug23a.b/ng23sb4.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101605



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584276  
Sample wt/vol: 1049 (g/mL) mL Lab File ID: eh0570.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101606

Lancaster Laboratories Sample No. G5 4584277

**TB081505S Methanol Sample**  
**TB**  
**Former Metro Container Investigation**

Collected: 08/15/2005

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:45  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	mg/kg	50
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	50
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.0	mg/kg	50
05444	Chloromethane	74-87-3	N.D.	0.10	0.25	mg/kg	50
05445	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	mg/kg	50
05446	Bromomethane	74-83-9	N.D.	0.10	0.25	mg/kg	50
05447	Chloroethane	75-00-3	N.D.	0.10	0.25	mg/kg	50
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	mg/kg	50
05449	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	mg/kg	50
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.25	mg/kg	50
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	mg/kg	50
05452	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	mg/kg	50
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	mg/kg	50
05455	Chloroform	67-66-3	N.D.	0.050	0.25	mg/kg	50
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	mg/kg	50
05458	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	mg/kg	50
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	mg/kg	50
05462	Trichloroethene	79-01-6	N.D.	0.050	0.25	mg/kg	50
05463	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	mg/kg	50
05465	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	mg/kg	50
05466	Toluene	108-88-3	N.D.	0.050	0.25	mg/kg	50
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	mg/kg	50
05468	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	mg/kg	50
05470	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	mg/kg	50
05472	Chlorobenzene	108-90-7	N.D.	0.050	0.25	mg/kg	50
05474	Ethylbenzene	100-41-4	N.D.	0.050	0.25	mg/kg	50
05478	Bromoform	75-25-2	N.D.	0.050	0.25	mg/kg	50
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	mg/kg	50
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	mg/kg	50
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	mg/kg	50
06301	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	mg/kg	50
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.50	mg/kg	50
07586	Acrolein	107-02-8	N.D.	1.0	5.0	mg/kg	50

\*This limit was used in the evaluation of the final result

AR101607

Lancaster Laboratories Sample No. G5 4584277

TB081505S Methanol Sample  
TB  
Former Metro Container Investigation

Collected: 08/15/2005

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 09/28/2005 at 13:45  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB815

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	50
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							

00890 VOA GC/MS Library Search  
The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 17:30		50
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 17:30		50
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/16/2005 14:10		1

\*This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4584277  
Sample wt/vol: 5.0 (g/mL) g Lab File ID: HP07566.i/05aug18b.b/rg18s30.d  
Level: (low/med) MED Date Received: 08/15/05  
% Moisture: not dec. N/A Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 50.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) mg/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101609

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052280003A	Sample number(s): 4584276								
Alpha BHC	N.D.	0.0020	0.010	ug/l	100	100	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	120	120	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	100	100	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	87	88	41-155	1	20
Heptachlor	N.D.	0.0020	0.010	ug/l	120	110	45-130	9	20
Aldrin	N.D.	0.0052	0.020	ug/l	83	79	47-122	5	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	100	100	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	105	105	44-154	0	20
p,p-DDD	N.D.	0.0061	0.020	ug/l	110	114	42-155	4	20
p,p-DDT	N.D.	0.0040	0.020	ug/l	100	100	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	100	100	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	80	80	62-135	0	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	100	100	66-131	0	20
Endosulfan Sulfate	N.D.	0.0062	0.020	ug/l	95	95	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	105	105	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	110	110	49-155	0	20
Batch number: 052280005A	Sample number(s): 4584252-4584265								
Gamma BHC - Lindane	N.D.	0.170	0.830	ug/kg	114		74-133		
Heptachlor	N.D.	0.170	0.830	ug/kg	111		72-143		
Aldrin	N.D.	0.170	0.830	ug/kg	111		74-137		
p,p-DDT	N.D.	0.330	1.70	ug/kg	104		67-152		
Dieldrin	N.D.	0.330	1.70	ug/kg	117		71-133		
Endrin	N.D.	0.330	1.70	ug/kg	114		68-133		
Methoxychlor	N.D.	1.70	8.30	ug/kg	112		56-168		
Alpha BHC	N.D.	0.170	0.830	ug/kg	117		70-134		
Beta BHC	N.D.	0.170	0.830	ug/kg	112		68-137		
Delta BHC	N.D.	0.210	0.830	ug/kg	107		53-167		
Heptachlor Epoxide	N.D.	0.170	0.830	ug/kg	112		72-132		
p,p-DDE	N.D.	0.330	1.70	ug/kg	123		71-143		
p,p-DDD	N.D.	0.330	1.70	ug/kg	124		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.0	33.0	ug/kg					

\*- Outside of specification

\*\*- This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Endosulfan I	N.D.	0.170	0.830	ug/kg	125		71-130		
Endosulfan II	N.D.	0.330	1.70	ug/kg	109		73-134		
Endosulfan Sulfate	N.D.	0.330	1.70	ug/kg	115		58-133		
Endrin Aldehyde	N.D.	0.330	1.70	ug/kg	104		47-145		
PCB-1016	N.D.	7.40	17.0	ug/kg					
PCB-1221	N.D.	3.30	17.0	ug/kg					
PCB-1232	N.D.	4.80	17.0	ug/kg					
PCB-1242	N.D.	3.00	17.0	ug/kg					
PCB-1248	N.D.	11.0	33.0	ug/kg					
PCB-1254	N.D.	3.30	17.0	ug/kg					
PCB-1260	N.D.	11.0	33.0	ug/kg					

Batch number: 052280006A

Sample number(s): 4584266-4584275

Gamma BHC - Lindane	N.D.	0.170	0.830	ug/kg	114		74-133		
Heptachlor	N.D.	0.170	0.830	ug/kg	103		72-143		
Aldrin	N.D.	0.170	0.830	ug/kg	113		74-137		
p,p-DDT	N.D.	0.330	1.70	ug/kg	69		67-152		
Dieldrin	N.D.	0.330	1.70	ug/kg	112		71-133		
Endrin	N.D.	0.330	1.70	ug/kg	97		68-133		
Methoxychlor	N.D.	1.70	8.30	ug/kg	77		56-168		
Alpha BHC	N.D.	0.170	0.830	ug/kg	115		70-134		
Beta BHC	N.D.	0.170	0.830	ug/kg	112		68-137		
Delta BHC	N.D.	0.210	0.830	ug/kg	104		53-167		
Heptachlor Epoxide	N.D.	0.170	0.830	ug/kg	111		72-132		
p,p-DDE	N.D.	0.330	1.70	ug/kg	100		71-143		
p,p-DDD	N.D.	0.330	1.70	ug/kg	106		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.0	33.0	ug/kg					
Endosulfan I	N.D.	0.170	0.830	ug/kg	114		71-130		
Endosulfan II	N.D.	0.330	1.70	ug/kg	108		73-134		
Endosulfan Sulfate	N.D.	0.330	1.70	ug/kg	105		58-133		
Endrin Aldehyde	N.D.	0.330	1.70	ug/kg	100		47-145		
PCB-1016	N.D.	7.40	17.0	ug/kg					
PCB-1221	N.D.	3.30	17.0	ug/kg					
PCB-1232	N.D.	4.80	17.0	ug/kg					
PCB-1242	N.D.	3.00	17.0	ug/kg					
PCB-1248	N.D.	11.0	33.0	ug/kg					
PCB-1254	N.D.	3.30	17.0	ug/kg					
PCB-1260	N.D.	11.0	33.0	ug/kg					

Batch number: 052285708003

Sample number(s): 4584252-4584269

Thallium	N.D.	0.960	2.00	mg/kg	105		76-125		
Arsenic	N.D.	0.670	2.00	mg/kg	96		80-120		
Selenium	N.D.	0.960	2.00	mg/kg	102		74-126		
Antimony	N.D.	0.820	2.00	mg/kg	55		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	100		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	95		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	99		78-121		
Copper	N.D.	0.300	1.00	mg/kg	100		80-120		
Lead	N.D.	0.780	2.00	mg/kg	95		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	97		78-122		
Silver	N.D.	0.190	0.500	mg/kg	111		49-150		
Zinc	0.587 J	0.460	2.00	mg/kg	92		46-154		

Batch number: 052285708004

Sample number(s): 4584270-4584275

\*- Outside of specification

\*\*- This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Thallium	N.D.	0.960	2.00	mg/kg	105		76-125		
Arsenic	N.D.	0.670	2.00	mg/kg	96		80-120		
Selenium	N.D.	0.960	2.00	mg/kg	101		74-126		
Antimony	N.D.	0.820	2.00	mg/kg	71		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	102		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	98		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	103		78-121		
Copper	N.D.	0.300	1.00	mg/kg	101		80-120		
Lead	N.D.	0.780	2.00	mg/kg	97		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	99		78-122		
Silver	N.D.	0.190	0.500	mg/kg	111		49-150		
Zinc	N.D.	0.460	2.00	mg/kg	95		46-154		
Batch number: 052285711002	Sample number(s): 4584272-4584275								
Mercury	N.D.	0.0027	0.100	mg/kg	87		66-133		
Batch number: 052285711003	Sample number(s): 4584252-4584271								
Mercury	N.D.	0.0027	0.100	mg/kg	89		66-133		
Batch number: 05228820001A	Sample number(s): 4584253-4584262								
Moisture					100		99-101		
Batch number: 05228820001B	Sample number(s): 4584252,4584263-4584271								
Moisture					100		99-101		
Batch number: 05228820002B	Sample number(s): 4584272-4584275								
Moisture					100		99-101		
Batch number: 05228SLD026	Sample number(s): 4584272-4584275								
1,4-Dioxane	N.D.	100.	500.	ug/kg	43		14-81		
Phenol	N.D.	33.	170.	ug/kg	90		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	90		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	81		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	85		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	86		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	93		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	93		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	89		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	94		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	81		47-110		
Pyrene	N.D.	33.	170.	ug/kg	92		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	95		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	98		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	89		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	94		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	91		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	59		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	71		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	86		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	82		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	79		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	79		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	101		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	78		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	87		68-105		

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Isophorone	N.D.	33.	170.	ug/kg	84		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	92		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	88		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	82		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	71		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	68		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	105		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	90		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	92		75-108		
Fluorene	N.D.	33.	170.	ug/kg	90		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	90		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	89		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	82		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	91		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	84		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	91		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	91		70-107		
Anthracene	N.D.	33.	170.	ug/kg	91		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	91		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	92		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	86		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	88		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	91		73-111		
Chrysene	N.D.	33.	170.	ug/kg	87		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	80		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	85		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	96		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	98		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	96		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	95		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	95		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	98		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	94		66-120		
Batch number: 05228SLE026 Sample number(s): 4584252-4584271									
1,4-Dioxane	N.D.	100.	500.	ug/kg	51		14-81		
Phenol	N.D.	33.	170.	ug/kg	81		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	88		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	81		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	81		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	80		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	88		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	86		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	98		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	94		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	72		47-110		
Pyrene	N.D.	33.	170.	ug/kg	88		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	86		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	93		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	86		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	85		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	87		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	65		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	86		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	87		52-108		

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	83		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	82		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	79		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	92		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	85		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	79		68-105		
Isophorone	N.D.	33.	170.	ug/kg	81		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	91		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	81		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	85		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	106		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	71		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	96		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	89		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	87		75-108		
Fluorene	N.D.	33.	170.	ug/kg	77		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	86		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	91		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	84		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	88		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	91		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	85		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	85		70-107		
Anthracene	N.D.	33.	170.	ug/kg	83		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	82		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	83		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	62		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	88		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	89		73-111		
Chrysene	N.D.	33.	170.	ug/kg	89		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	82		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	89		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	85		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	89		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	85		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	87		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	90		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	90		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	88		66-120		
Batch number: 05228WAE026 Sample number(s): 4584276									
1,4-Dioxane	N.D.	1.	5.	ug/l	55	55	43-73	1	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	101	104	65-107	2	30
2-Chlorophenol	N.D.	1.	5.	ug/l	93	95	63-112	3	30
Phenol	N.D.	1.	5.	ug/l	46	47	29-57	1	30
2-Nitrophenol	N.D.	1.	5.	ug/l	101	106	83-119	5	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	92	93	60-107	2	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	97	99	66-110	2	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	98	103	48-114	5	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	99	96	69-111	3	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	63	68	44-130	8	30
4-Nitrophenol	N.D.	10.	30.	ug/l	37	43	16-75	15	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	78	81	56-130	3	30
Pentachlorophenol	N.D.	3.	15.	ug/l	88	92	48-108	5	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	66	64	39-84	4	30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	90	93	57-110	3	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	88	90	52-102	1	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	93	91	54-103	3	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	88	86	58-99	2	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	113	112	68-133	1	30
Hexachloroethane	N.D.	1.	5.	ug/l	86	86	33-106	1	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	96	92	56-109	3	30
Nitrobenzene	N.D.	1.	5.	ug/l	94	94	61-111	1	30
Isophorone	N.D.	1.	5.	ug/l	89	92	63-105	3	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	100	101	69-119	1	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	92	89	62-101	3	30
Naphthalene	N.D.	1.	5.	ug/l	94	95	70-102	1	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	89	90	33-118	1	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	77	79	14-169	2	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	75	71	56-100	6	30
Acenaphthylene	N.D.	1.	5.	ug/l	114	110	65-120	4	30
Dimethylphthalate	N.D.	2.	5.	ug/l	92	92	46-109	0	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	98	97	70-108	1	30
Acenaphthene	N.D.	1.	5.	ug/l	102	97	68-111	5	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	99	98	75-122	2	30
Fluorene	N.D.	1.	5.	ug/l	99	94	61-116	5	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	100	95	65-110	5	30
Diethylphthalate	N.D.	2.	5.	ug/l	98	93	61-110	4	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	91	90	62-106	2	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	98	95	63-104	3	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	91	90	67-110	2	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	97	94	68-113	2	30
Phenanthrene	N.D.	1.	5.	ug/l	98	96	68-111	3	30
Anthracene	N.D.	1.	5.	ug/l	99	96	68-108	3	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	97	94	63-113	3	30
Fluoranthene	N.D.	1.	5.	ug/l	95	95	66-108	1	30
Pyrene	N.D.	1.	5.	ug/l	100	98	68-114	2	30
Benzidine	N.D.	20.	60.	ug/l	100	100	20-134	0	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	95	94	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	94	97	72-112	2	30
Chrysene	N.D.	1.	5.	ug/l	96	98	70-111	3	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	90	90	39-116	0	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	97	94	62-126	3	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	102	102	58-118	0	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	108	103	67-117	5	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	97	101	67-120	4	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	105	104	68-121	0	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	102	98	67-122	4	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	103	102	71-129	2	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	99	98	67-121	1	30

Batch number: 05229102201B  
Total Cyanide

Sample number(s): 4584252-4584255  
0.27 J 0.18 0.50 mg/kg

107

90-110

Batch number: 05229102202A  
Total Cyanide

Sample number(s): 4584256-4584265  
N.D. 0.18 0.50 mg/kg

109

90-110

Batch number: 05229102202B  
Total Cyanide

Sample number(s): 4584266-4584273  
N.D. 0.18 0.50 mg/kg

109

90-110

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 052291848002	Sample number(s): 4584276								
Thallium	N.D.	0.0100	0.0200	mg/l	99		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	104		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	100		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	102		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	100		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	102		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	98		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	102		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	102		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	101		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	109		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	100		90-112		
Batch number: 05230117101A	Sample number(s): 4584276								
Total Cyanide	N.D.	0.0050	0.010	mg/l	97		90-110		
Batch number: 052305713005	Sample number(s): 4584276								
Mercury	N.D.	0.00006	0.00020	mg/l	108		80-120		
		2							
Batch number: 05231102201A	Sample number(s): 4584274-4584275								
Total Cyanide	N.D.	0.18	0.50	mg/kg	106		90-110		
Batch number: 05231113201A	Sample number(s): 4584252-4584256								
Phenols	N.D.	1.2	3.5	mg/kg	97		80-120		
Batch number: 05231113201B	Sample number(s): 4584257-4584266								
Phenols	N.D.	1.2	3.5	mg/kg	97		80-120		
Batch number: 05232113201A	Sample number(s): 4584267-4584275								
Phenols	N.D.	1.2	3.5	mg/kg	92		80-120		
Batch number: 05232120101A	Sample number(s): 4584276								
Phenols	N.D.	0.0090	0.030	mg/l	96		83-108		
Batch number: N052351AA	Sample number(s): 4584276								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	105	103	77-127	2	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	110	94	57-141	16	30
Chloromethane	N.D.	1.	5.	ug/l	103	99	59-177	3	30
Vinyl Chloride	N.D.	1.	5.	ug/l	108	107	71-134	1	30
Bromomethane	N.D.	1.	5.	ug/l	78	79	62-131	2	30
Chloroethane	N.D.	1.	5.	ug/l	89	86	67-127	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	119	121	70-148	2	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	108	106	79-130	2	30
Methylene Chloride	N.D.	2.	5.	ug/l	102	102	80-128	0	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	103	101	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	110	109	83-127	0	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	103	102	84-117	1	30
Chloroform	N.D.	0.8	5.	ug/l	108	106	86-124	2	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	105	104	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	104	102	77-130	1	30
Benzene	N.D.	0.5	5.	ug/l	108	106	85-117	2	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	115	113	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	105	103	87-117	2	30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dichloropropane	N.D.	1.	5.	ug/l	112	108	80-117	3	30
Bromodichloromethane	N.D.	1.	5.	ug/l	103	101	83-121	2	30
Toluene	N.D.	0.7	5.	ug/l	107	106	85-115	2	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	108	104	86-113	4	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	96	96	74-125	1	30
Dibromochloromethane	N.D.	1.	5.	ug/l	104	99	78-119	4	30
Chlorobenzene	N.D.	0.8	5.	ug/l	105	102	85-115	2	30
Ethylbenzene	N.D.	0.8	5.	ug/l	109	106	82-119	2	30
Bromoform	N.D.	1.	5.	ug/l	88	85	69-118	4	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	110	104	72-119	6	30
1,2-Dibromoethane	N.D.	1.	5.	ug/l	106	103	81-114	2	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	104	101	79-114	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	104	103	78-114	1	30
Xylene (Total)	N.D.	0.8	5.	ug/l	106	104	83-113	3	30
Acrylonitrile	N.D.	4.	20.	ug/l	108	106	55-137	2	30
Acrolein	N.D.	40.	100.	ug/l	96	98	28-146	2	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	103	108	53-133	5	30

Batch number: R052301AB	Sample number(s): 4584258-4584260, 4584277								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	96	99	75-125	4	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	98	100	51-160	2	30
Chloromethane	N.D.	100.	250.	ug/kg	71	70	62-132	1	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	72	71	66-124	1	30
Bromomethane	N.D.	100.	250.	ug/kg	83	79	59-127	5	30
Chloroethane	N.D.	100.	200.	ug/kg	91	72	63-120	24	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	85	86	65-138	0	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	89	90	69-133	0	30
Methylene Chloride	N.D.	100.	250.	ug/kg	97	99	75-120	2	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	94	95	77-124	0	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	97	98	79-124	0	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	99	100	76-120	1	30
Chloroform	N.D.	50.	250.	ug/kg	100	101	81-117	1	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	94	94	74-127	0	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	92	91	69-130	1	30
Benzene	N.D.	25.	250.	ug/kg	100	100	77-119	0	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	98	100	76-126	2	30
Trichloroethene	N.D.	50.	250.	ug/kg	97	98	81-114	1	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	100	101	78-119	1	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	93	95	77-116	2	30
Toluene	N.D.	50.	250.	ug/kg	101	100	81-116	1	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	102	104	74-117	2	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	96	94	73-127	2	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	98	100	73-116	1	30
Chlorobenzene	N.D.	50.	250.	ug/kg	102	102	81-112	0	30
Ethylbenzene	N.D.	50.	250.	ug/kg	100	101	82-115	1	30
Bromoform	N.D.	50.	250.	ug/kg	95	98	64-125	3	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	103	104	64-121	1	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	102	104	77-114	2	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	102	104	72-119	2	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	98	100	72-117	2	30
Xylene (Total)	N.D.	50.	250.	ug/kg	99	99	82-117	0	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	101	105	9-208	4	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	81	84	33-143	3	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	97	100	56-129	3	30

\*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: R052311AA	Sample number(s): 4584261-4584267, 4584269-4584270, 4584273-4584274								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	90	98	75-125	9	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	86	97	51-160	12	30
Chloromethane	N.D.	100.	250.	ug/kg	77	83	62-132	7	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	76	82	66-124	8	30
Bromomethane	N.D.	100.	250.	ug/kg	90	92	59-127	3	30
Chloroethane	N.D.	100.	200.	ug/kg	81	83	63-120	2	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	80	90	65-138	12	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	80	91	69-133	13	30
Methylene Chloride	N.D.	100.	250.	ug/kg	93	97	75-120	5	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	89	97	77-124	9	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	92	101	79-124	10	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	93	101	76-120	9	30
Chloroform	N.D.	50.	250.	ug/kg	92	101	81-117	9	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	86	96	74-127	11	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	83	93	69-130	12	30
Benzene	N.D.	25.	250.	ug/kg	93	101	77-119	9	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	92	100	76-126	9	30
Trichloroethene	N.D.	50.	250.	ug/kg	90	101	81-114	11	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	92	102	78-119	10	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	87	96	77-116	9	30
Toluene	N.D.	50.	250.	ug/kg	92	102	81-116	11	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	94	104	74-117	10	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	87	100	73-127	13	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	90	100	73-116	11	30
Chlorobenzene	N.D.	50.	250.	ug/kg	94	103	81-112	10	30
Ethylbenzene	N.D.	50.	250.	ug/kg	93	103	82-115	11	30
Bromoform	N.D.	50.	250.	ug/kg	87	98	64-125	11	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	93	103	64-121	11	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	95	103	77-114	8	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	94	103	72-119	9	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	93	102	72-117	9	30
Xylene (Total)	N.D.	50.	250.	ug/kg	92	103	82-117	11	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	93	102	9-208	10	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	72	77	33-143	7	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	89	97	56-129	9	30
Batch number: X052291AB	Sample number(s): 4584252-4584255, 4584257, 4584268, 4584271-4584272								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	86	92	75-125	7	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	144	129	51-160	11	30
Chloromethane	N.D.	2.	5.	ug/kg	120	106	62-132	12	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	106	95	66-124	10	30
Bromomethane	N.D.	2.	5.	ug/kg	94	85	59-127	10	30
Chloroethane	N.D.	2.	4.	ug/kg	109	99	63-120	9	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	82	74	65-138	11	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	92	83	69-133	10	30
Methylene Chloride	N.D.	2.	5.	ug/kg	98	94	75-120	4	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	86	77-124	11	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	106	99	79-124	7	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	90	76-120	6	30
Chloroform	N.D.	1.	5.	ug/kg	97	92	81-117	6	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91	82	74-127	10	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	87	78	69-130	10	30
Benzene	N.D.	0.5	5.	ug/kg	104	96	77-119	8	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	89	90	76-126	2	30

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Trichloroethene	N.D.	1.	5.	ug/kg	98	89	81-114	9	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	113	108	78-119	5	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	91	89	77-116	3	30
Toluene	N.D.	1.	5.	ug/kg	106	98	81-116	8	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	94	101	74-117	6	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	95	86	73-127	10	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	88	91	73-116	4	30
Chlorobenzene	N.D.	1.	5.	ug/kg	100	93	81-112	7	30
Ethylbenzene	N.D.	1.	5.	ug/kg	105	97	82-115	8	30
Bromoform	N.D.	1.	5.	ug/kg	75	84	64-125	11	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	97	111	64-121	13	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	87	94	77-114	8	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	98	99	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	97	95	72-117	2	30
Xylene (Total)	N.D.	1.	5.	ug/kg	102	96	82-117	7	30
Acrolein	N.D.	20.	40.	ug/kg	77	88	33-143	14	30
Acrylonitrile	N.D.	4.	20.	ug/kg	81	101	56-129	22	30

Batch number: X052291AC	Sample number(s): 4584256,4584275								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	86	92	75-125	7	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	144	129	51-160	11	30
Chloromethane	N.D.	2.	5.	ug/kg	120	106	62-132	12	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	106	95	66-124	10	30
Bromomethane	N.D.	2.	5.	ug/kg	94	85	59-127	10	30
Chloroethane	N.D.	2.	4.	ug/kg	109	99	63-120	9	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	82	74	65-138	11	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	92	83	69-133	10	30
Methylene Chloride	N.D.	2.	5.	ug/kg	98	94	75-120	4	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	86	77-124	11	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	106	99	79-124	7	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	90	76-120	6	30
Chloroform	N.D.	1.	5.	ug/kg	97	92	81-117	6	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91	82	74-127	10	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	87	78	69-130	10	30
Benzene	N.D.	0.5	5.	ug/kg	104	96	77-119	8	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	89	90	76-126	2	30
Trichloroethene	N.D.	1.	5.	ug/kg	98	89	81-114	9	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	113	108	78-119	5	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	91	89	77-116	3	30
Toluene	N.D.	1.	5.	ug/kg	106	98	81-116	8	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	94	101	74-117	6	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	95	86	73-127	10	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	88	91	73-116	4	30
Chlorobenzene	N.D.	1.	5.	ug/kg	100	93	81-112	7	30
Ethylbenzene	N.D.	1.	5.	ug/kg	105	97	82-115	8	30
Bromoform	N.D.	1.	5.	ug/kg	75	84	64-125	11	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	97	111	64-121	13	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	87	94	77-114	8	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	98	99	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	97	95	72-117	2	30
Xylene (Total)	N.D.	1.	5.	ug/kg	102	96	82-117	7	30
Acrolein	N.D.	20.	40.	ug/kg	77	88	33-143	14	30
Acrylonitrile	N.D.	4.	20.	ug/kg	81	101	56-129	22	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	BKG MAX	DUP Conc	DUP Conc	Dup RPD	Dup Max
Batch number: 052280005A	Sample number(s): 4584252-4584265								
Gamma BHC - Lindane	127	103	43-154	21	35				
Heptachlor	94	76	70-138	21	35				
Aldrin	91	79	58-159	14	35				
p,p-DDT	139	123	62-166	12	35				
Dieldrin	127	109	68-139	15	35				
Endrin	106	94	48-188	12	35				
Methoxychlor	122	104	74-162	15	35				
Alpha BHC	114	99	64-134	14	35				
Beta BHC	64	73	31-176	13	35				
Delta BHC	112	89	68-158	23	35				
Heptachlor Epoxide	129	106	69-133	19	35				
p,p-DDE	145	129	48-175	11	35				
p,p-DDD	87	85	52-181	1	35				
Endosulfan I	101	98	41-166	4	35				
Endosulfan II	107	98	65-144	9	35				
Endosulfan Sulfate	92	74	65-154	22	35				
Endrin Aldehyde	101	77	63-125	27	35				
Batch number: 052280006A	Sample number(s): 4584266-4584275								
Gamma BHC - Lindane	0*	0*	43-154	0	35				
Heptachlor	0*	0*	70-138	0	35				
Aldrin	0*	0*	58-159	0	35				
p,p-DDT	248*	244*	62-166	2	35				
Dieldrin	0*	0*	68-139	0	35				
Endrin	0*	0*	48-188	0	35				
Methoxychlor	0*	0*	74-162	0	35				
Alpha BHC	0*	159*	64-134	200*	35				
Beta BHC	124	125	31-176	0	35				
Delta BHC	0*	0*	68-158	0	35				
Heptachlor Epoxide	0*	0*	69-133	0	35				
p,p-DDE	244*	246*	48-175	1	35				
p,p-DDD	207*	209*	52-181	1	35				
Endosulfan I	145	167*	41-166	14	35				
Endosulfan II	128	140	65-144	9	35				
Endosulfan Sulfate	0*	0*	65-154	0	35				
Endrin Aldehyde	0*	119	63-125	200*	35				
Batch number: 052285708003	Sample number(s): 4584252-4584269								
Thallium	94	94	84-105	0	20	1.71 J	1.42 J	18 (1)	20
Arsenic	97	97	76-110	1	20	2.85	2.34	19 (1)	20
Selenium	95	96	80-120	0	20	N.D.	N.D.	167* (1)	20
Antimony	72*	73*	80-120	1	20	N.D.	N.D.	153* (1)	20
Beryllium	100	100	89-114	1	20	0.464 J	0.475 J	2 (1)	20
Cadmium	94	94	80-120	0	20	N.D.	N.D.	20 (1)	20
Chromium	113	99	80-120	5	20	31.9	33.5	5	20
Copper	103	98	80-120	3	20	19.2	18.7	2	20
Lead	93	92	80-120	1	20	4.38	4.70	7 (1)	20
Nickel	95	94	80-120	1	20	27.4	28.6	5	20
Silver	104	104	80-120	0	20	N.D.	N.D.	23* (1)	20
Zinc	95	89	80-120	3	20	42.2	44.0	4	20
Batch number: 052285708004	Sample number(s): 4584270-4584275								

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD	
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Thallium	92	97	86-106	6	20	N.D.	N.D.	14 (1)	20
Arsenic	101	101	75-112	0	20	17.2	18.4	7	20
Selenium	99	100	81-112	1	20	N.D.	N.D.	77* (1)	20
Antimony	86	86	75-125	0	20	N.D.	N.D.	14 (1)	20
Beryllium	102	102	89-114	0	20	0.234 J	0.220 J	6 (1)	20
Cadmium	99	100	75-125	1	20	0.278 J	0.307 J	10 (1)	20
Chromium	(2)	(2)	75-125	16	20	2,720.	2,850.	5	20
Copper	(2)	(2)	75-125	4	20	147.	196.	28*	20
Lead	98	98	75-125	1	20	5.23	5.69	9 (1)	20
Nickel	92	98	75-125	6	20	3.04	3.07	1 (1)	20
Silver	104	104	82-116	0	20	0.192 J	0.190 J	1 (1)	20
Zinc	(2)	(2)	75-125	18	20	2,030.	1,970.	3	20
Batch number: 052285711002	Sample number(s): 4584272-4584275								
Mercury	(2)	(2)	80-120	3	20	8.40	8.77	4 (1)	20
Batch number: 052285711003	Sample number(s): 4584252-4584271								
Mercury	98	93	80-120	4	20	0.0383 J	0.0442 J	14 (1)	20
Batch number: 05228820001A	Sample number(s): 4584253-4584262								
Moisture						18.5	19.0	3	15
Batch number: 05228820001B	Sample number(s): 4584252,4584263-4584271								
Moisture						20.0	20.4	2	15
Batch number: 05228820002B	Sample number(s): 4584272-4584275								
Moisture						24.6	24.3	1	15
Batch number: 05228SLD026	Sample number(s): 4584272-4584275								
1,4-Dioxane	40	43	6-84	8	30				
Phenol	100	100	48-128	0	30				
2-Chlorophenol	95	98	36-140	3	30				
1,4-Dichlorobenzene	78	75	46-115	3	30				
N-Nitroso-di-n-propylamine	90	91	42-132	1	30				
1,2,4-Trichlorobenzene	80	84	62-114	5	30				
4-Chloro-3-methylphenol	99	99	42-147	0	30				
Acenaphthene	91	96	47-137	6	30				
4-Nitrophenol	84	90	30-151	6	30				
2,4-Dinitrotoluene	93	98	66-126	5	30				
Pentachlorophenol	83	86	22-126	3	30				
Pyrene	91	96	25-159	6	30				
1-Methylnaphthalene	94	99	60-128	5	30				
2-Nitrophenol	93	98	53-140	5	30				
2,4-Dimethylphenol	94	97	44-131	3	30				
2,4-Dichlorophenol	97	98	60-123	1	30				
2,4,6-Trichlorophenol	89	95	51-128	7	30				
2,4-Dinitrophenol	61	67	20-152	9	30				
4,6-Dinitro-2-methylphenol	76	81	14-136	6	30				
N-Nitrosodimethylamine	92	92	56-110	0	30				
bis(2-Chloroethyl)ether	84	84	60-110	0	30				
1,3-Dichlorobenzene	73	74	52-112	0	30				
1,2-Dichlorobenzene	74	78	56-108	5	30				
bis(2-Chloroisopropyl)ether	105	106	38-157	1	30				
Hexachloroethane	71	69	30-130	2	30				

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Analysis Name								Max
Nitrobenzene	85	88	65-113	3	30			
Isophorone	84	88	55-116	4	30			
bis(2-Chloroethoxy)methane	95	97	63-128	3	30			
Naphthalene	85	88	54-121	3	30			
Hexachlorobutadiene	79	78	43-132	2	30			
Hexachlorocyclopentadiene	34	33	5-175	4	30			
2-Chloronaphthalene	67	70	51-100	4	30			
Acenaphthylene	103	109	66-137	5	30			
Dimethylphthalate	91	95	70-112	4	30			
2,6-Dinitrotoluene	88	92	66-116	5	30			
Fluorene	88	94	48-130	7	30			
4-Chlorophenyl-phenylether	91	93	50-128	3	30			
Diethylphthalate	91	96	71-112	5	30			
1,2-Diphenylhydrazine	86	87	26-141	2	30			
N-Nitrosodiphenylamine	93	94	59-133	1	30			
4-Bromophenyl-phenylether	87	88	69-119	2	30			
Hexachlorobenzene	93	92	59-130	2	30			
Phenanthrene	94	92	28-155	2	30			
Anthracene	92	94	47-135	1	30			
Di-n-butylphthalate	93	96	67-119	3	30			
Fluoranthene	93	93	32-137	1	30			
Benzidine	39	41	20-173	5	30			
Butylbenzylphthalate	90	95	55-131	5	30			
Benzo(a)anthracene	88	93	39-144	5	30			
Chrysene	90	95	38-144	5	30			
3,3'-Dichlorobenzidine	94	96	10-133	2	30			
bis(2-Ethylhexyl)phthalate	90	96	54-141	6	30			
Di-n-octylphthalate	95	102	47-144	7	30			
Benzo(b)fluoranthene	96	100	24-155	5	30			
Benzo(k)fluoranthene	87	94	2-176	7	30			
Benzo(a)pyrene	94	99	38-142	4	30			
Indeno(1,2,3-cd)pyrene	90	95	1-186	6	30			
Dibenz(a,h)anthracene	95	99	44-154	5	30			
Benzo(g,h,i)perylene	91	94	32-150	3	30			
Batch number: 05228SLE026	Sample number(s): 4584252-4584271							
1,4-Dioxane	45	41	6-84	9	30			
Phenol	80	76	48-128	5	30			
2-Chlorophenol	86	81	36-140	6	30			
1,4-Dichlorobenzene	71	69	46-115	4	30			
N-Nitroso-di-n-propylamine	78	75	42-132	4	30			
1,2,4-Trichlorobenzene	79	74	62-114	7	30			
4-Chloro-3-methylphenol	89	87	42-147	2	30			
Acenaphthene	86	81	47-137	7	30			
4-Nitrophenol	96	87	30-151	10	30			
2,4-Dinitrotoluene	92	88	66-126	5	30			
Pentachlorophenol	94	82	22-126	13	30			
Pyrene	93	80	25-159	14	30			
1-Methylnaphthalene	84	81	60-128	4	30			
2-Nitrophenol	93	84	53-140	11	30			
2,4-Dimethylphenol	84	80	44-131	5	30			
2,4-Dichlorophenol	89	83	60-123	6	30			
2,4,6-Trichlorophenol	89	86	51-128	3	30			
2,4-Dinitrophenol	71	50	20-152	35*	30			

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Analysis Name								Max
4,6-Dinitro-2-methylphenol	90	57	14-136	44*	30			
N-Nitrosodimethylamine	82	74	56-110	11	30			
bis(2-Chloroethyl)ether	86	79	60-110	8	30			
1,3-Dichlorobenzene	70	66	52-112	5	30			
1,2-Dichlorobenzene	71	68	56-108	4	30			
bis(2-Chloroisopropyl)ether	84	84	38-157	0	30			
Hexachloroethane	67	63	30-130	8	30			
Nitrobenzene	79	77	65-113	2	30			
Isophorone	78	76	55-116	3	30			
bis(2-Chloroethoxy)methane	95	86	63-128	10	30			
Naphthalene	77	72	54-121	6	30			
Hexachlorobutadiene	80	76	43-132	6	30			
Hexachlorocyclopentadiene	21	7	5-175	97*	30			
2-Chloronaphthalene	72	67	51-100	6	30			
Acenaphthylene	95	91	66-137	4	30			
Dimethylphthalate	87	83	70-112	5	30			
2,6-Dinitrotoluene	86	80	66-116	7	30			
Fluorene	81	81	48-130	1	30			
4-Chlorophenyl-phenylether	86	82	50-128	5	30			
Diethylphthalate	85	86	71-112	0	30			
1,2-Diphenylhydrazine	81	77	26-141	5	30			
N-Nitrosodiphenylamine	86	81	59-133	6	30			
4-Bromophenyl-phenylether	93	84	69-119	10	30			
Hexachlorobenzene	85	78	59-130	9	30			
Phenanthrene	81	78	28-155	4	30			
Anthracene	79	74	47-135	7	30			
Di-n-butylphthalate	79	70	67-119	12	30			
Fluoranthene	70	63	32-137	11	30			
Benzidine	42	29	20-173	36*	30			
Butylbenzylphthalate	84	79	55-131	7	30			
Benzo(a)anthracene	84	78	39-144	7	30			
Chrysene	87	80	38-144	8	30			
3,3'-Dichlorobenzidine	79	58	10-133	31*	30			
bis(2-Ethylhexyl)phthalate	85	77	54-141	9	30			
Di-n-octylphthalate	82	75	47-144	9	30			
Benzo(b)fluoranthene	82	78	24-155	5	30			
Benzo(k)fluoranthene	84	81	2-176	4	30			
Benzo(a)pyrene	84	80	38-142	4	30			
Indeno(1,2,3-cd)pyrene	85	77	1-186	10	30			
Dibenz(a,h)anthracene	91	83	44-154	10	30			
Benzo(g,h,i)perylene	86	76	32-150	11	30			
Batch number: 05229102201B	Sample number(s): 4584252-4584255							
Total Cyanide	-54*	52-135			3.8	0.31 J	170* (1)	17
Batch number: 05229102202A	Sample number(s): 4584256-4584265							
Total Cyanide	16*	52-135			N.D.	N.D.	56* (1)	17
Batch number: 05229102202B	Sample number(s): 4584266-4584273							
Total Cyanide	25*	52-135			N.D.	N.D.	0 (1)	17
Batch number: 052291848002	Sample number(s): 4584276							
Thallium	101	100	89-112	1	20	N.D.	N.D.	102* (1)
Arsenic	106	103	86-119	3	20	0.010 J	N.D.	31* (1)

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Selenium	103	100	80-120	3	20	N.D.	N.D.	49* (1)
Antimony	104	100	80-120	4	20	0.0089 J	0.0071 J	22* (1)
Beryllium	101	102	91-117	1	20	N.D.	N.D.	60* (1)
Cadmium	101	103	87-117	2	20	N.D.	N.D.	19 (1)
Chromium	100	99	86-118	2	20	N.D.	N.D.	52* (1)
Copper	106	103	89-119	2	20	N.D.	N.D.	53* (1)
Lead	105	101	87-118	5	20	N.D.	N.D.	352* (1)
Nickel	102	101	91-111	1	20	N.D.	N.D.	11 (1)
Silver	111	109	80-120	2	20	N.D.	N.D.	42* (1)
Zinc	101	100	80-120	1	20	0.0075 J	N.D.	103* (1)
Batch number: 05230117101A	Sample number(s): 4584276							
Total Cyanide	94		82-114			0.012	0.016	30* (1)
Batch number: 052305713005	Sample number(s): 4584276							
Mercury	92	90	80-120	2	20	N.D.	N.D.	20 (1)
Batch number: 05231102201A	Sample number(s): 4584274-4584275							
Total Cyanide	93		52-135			N.D.	N.D.	200* (1)
Batch number: 05231113201A	Sample number(s): 4584252-4584256							
Phenols	94	99	38-175	4	26			
Batch number: 05231113201B	Sample number(s): 4584257-4584266							
Phenols	141	138	38-175	2	26			
Batch number: 05232113201A	Sample number(s): 4584267-4584275							
Phenols	78	93	38-175	10	26			
Batch number: 05232120101A	Sample number(s): 4584276							
Phenols	93	95	80-108	2	5			
Batch number: N052351AA	Sample number(s): 4584276							
Methyl Tertiary Butyl Ether	108		69-134					
t-Butyl alcohol	108		51-147					
Chloromethane	153		72-208					
Vinyl Chloride	130		81-150					
Bromomethane	102		59-143					
Chloroethane	107		63-142					
Trichlorofluoromethane	142		77-177					
1,1-Dichloroethene	120		87-145					
Methylene Chloride	105		79-133					
trans-1,2-Dichloroethene	111		82-133					
1,1-Dichloroethane	117		85-135					
cis-1,2-Dichloroethene	111		83-126					
Chloroform	115		82-131					
1,1,1-Trichloroethane	116		81-142					
Carbon Tetrachloride	114		79-155					
Benzene	116		83-128					
1,2-Dichloroethane	118		73-136					
Trichloroethene	112		83-136					
1,2-Dichloropropane	115		83-129					
Bromodichloromethane	106		80-129					
Toluene	114		83-127					

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
1,1,2-Trichloroethane	108		77-125					
Tetrachloroethene	104		78-133					
Dibromochloromethane	103		73-119					
Chlorobenzene	110		83-120					
Ethylbenzene	114		82-129					
Bromoform	86		64-119					
1,1,2,2-Tetrachloroethane	106		69-121					
1,2-Dibromoethane	106		78-120					
trans-1,3-Dichloropropene	105		75-117					
cis-1,3-Dichloropropene	108		76-117					
Xylene (Total)	111		82-130					
Acrylonitrile	108		54-132					
Acrolein	101		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					
Batch number: X052291AB Sample number(s): 4584252-4584255,4584257,4584268,4584271-4584272								
Methyl Tertiary Butyl Ether	97		49-140					
t-Butyl alcohol	131		46-148					
Chloromethane	101		60-132					
Vinyl Chloride	104		60-126					
Bromomethane	101		52-121					
Chloroethane	103		60-122					
Trichlorofluoromethane	108		53-142					
1,1-Dichloroethene	102		62-133					
Methylene Chloride	99		59-135					
trans-1,2-Dichloroethene	102		64-125					
1,1-Dichloroethane	105		65-125					
cis-1,2-Dichloroethene	103		63-125					
Chloroform	105		65-126					
1,1,1-Trichloroethane	107		59-134					
Carbon Tetrachloride	107		53-138					
Benzene	106		67-123					
1,2-Dichloroethane	102		62-130					
Trichloroethene	108		62-126					
1,2-Dichloropropane	105		64-120					
Bromodichloromethane	101		65-118					
Toluene	107		55-125					
1,1,2-Trichloroethane	102		62-122					
Tetrachloroethene	108		45-151					
Dibromochloromethane	102		62-120					
Chlorobenzene	104		62-116					
Ethylbenzene	107		50-127					
Bromoform	99		52-123					
1,1,2,2-Tetrachloroethane	99		37-142					
1,2-Dibromoethane	101		62-116					
trans-1,3-Dichloropropene	104		61-121					
cis-1,3-Dichloropropene	102		54-122					
Xylene (Total)	106		54-123					
Acrolein	77		12-136					
Acrylonitrile	89		47-125					
Batch number: X052291AC Sample number(s): 4584256,4584275								
Methyl Tertiary Butyl Ether	97		49-140					
t-Butyl alcohol	131		46-148					

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	RPD	RPD
Analysis Name								Max
Chloromethane	101		60-132					
Vinyl Chloride	104		60-126					
Bromomethane	101		52-121					
Chloroethane	103		60-122					
Trichlorofluoromethane	108		53-142					
1,1-Dichloroethene	102		62-133					
Methylene Chloride	99		59-135					
trans-1,2-Dichloroethene	102		64-125					
1,1-Dichloroethane	105		65-125					
cis-1,2-Dichloroethene	103		63-125					
Chloroform	105		65-126					
1,1,1-Trichloroethane	107		59-134					
Carbon Tetrachloride	107		53-138					
Benzene	106		67-123					
1,2-Dichloroethane	102		62-130					
Trichloroethene	108		62-126					
1,2-Dichloropropane	105		64-120					
Bromodichloromethane	101		65-118					
Toluene	107		55-125					
1,1,2-Trichloroethane	102		62-122					
Tetrachloroethene	108		45-151					
Dibromochloromethane	102		62-120					
Chlorobenzene	104		62-116					
Ethylbenzene	107		50-127					
Bromoform	99		52-123					
1,1,2,2-Tetrachloroethane	99		37-142					
1,2-Dibromoethane	101		62-116					
trans-1,3-Dichloropropene	104		61-121					
cis-1,3-Dichloropropene	102		54-122					
Xylene (Total)	106		54-123					
Acrolein	77		12-136					
Acrylonitrile	89		47-125					

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052280003A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4584276	93	93
Blank	89	102
LCS	93	87
LCSD	93	90
Limits:	45-125	47-155

Analysis Name: Pesticides/PCBs in Solids  
Batch number: 052280005A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4584252	128	174*

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Surrogate Quality Control

4584253	86	237*
4584254	133	295*
4584255	116	203*
4584256	125	251*
4584257	104	435*
4584258	80	292*
4584259	175*	165*
4584260	73	359*
4584261	125	302*
4584262	71	196*
4584263	69	139
4584264	79	147
4584265	88	106
Blank	111	124
LCS	111	129
MS	83	154
MSD	113	153

Limits: 58-149 62-159

Analysis Name: Pesticides/PCBs in Solids  
Batch number: 052280006A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4584266	111	334*
4584267	103	190*
4584268	74	105
4584269	75	107
4584270	77	107
4584271	174*	354*
4584272	97	405*
4584273	82	434*
4584274	85	373*
4584275	81	261*
Blank	109	111
LCS	110	112
MS	143	420*
MSD	147	438*

Limits: 58-149 62-159

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05228SLD026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4584272	91	87	91	81
4584273	93	93	90	108
4584274	89	78	97	104
4584275	105	103	114	123
Blank	92	96	97	90
LCS	88	90	98	90
MS	96	95	98	84
MSD	98	99	106	89

Limits: 45-120 50-118 46-136 47-128

2-Fluorobiphenyl Terphenyl-d14

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Surrogate Quality Control

4584272	84	104
4584273	98	111
4584274	91	97
4584275	105	119
Blank	94	98
LCS	89	94
MS	85	93
MSD	92	101

Limits: 55-123 51-158

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05228SLE026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4584252	78	77	99	84
4584253	79	79	99	87
4584254	75	76	98	81
4584255	82	81	97	89
4584256	75	73	92	83
4584257	79	77	95	86
4584258	38*	33*	48	48
4584259	92	86	91	101
4584260	54	52	51	260*
4584261	82	77	79	143*
4584262	85	82	87	112
4584263	80	79	104	91
4584264	103	100	93	150*
4584265	73	69	96	87
4584266	85	88	91	95
4584267	84	81	84	108
4584268	75	76	99	90
4584269	72	73	95	91
4584270	76	74	95	83
4584271	80	78	101	92
Blank	78	78	91	87
LCS	80	80	99	86
MS	80	81	99	85
MSD	74	75	98	82

Limits: 45-120 50-118 46-136 47-128

	2-Fluorobiphenyl	Terphenyl-d14
4584252	85	92
4584253	88	95
4584254	89	94
4584255	87	94
4584256	87	93
4584257	88	89
4584258	54*	46*
4584259	97	93
4584260	84	96
4584261	84	92
4584262	93	90
4584263	95	84
4584264	117	104
4584265	86	83

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Surrogate Quality Control

4584266	92	104
4584267	89	90
4584268	88	77
4584269	89	69
4584270	84	80
4584271	87	82
Blank	86	84
LCS	85	96
MS	87	102
MSD	81	91

Limits: 55-123 51-158

Analysis Name: TCL SW846 Semivolatiles/Waters

Batch number: 05228WAE026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4584276	58	36	105	92
Blank	56	37	98	88
LCS	62	41	107	93
LCSD	63	42	104	94

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
--	------------------	---------------

4584276	93	107
Blank	89	102
LCS	97	102
LCSD	93	102

Limits: 64-112 52-151

Analysis Name: 8260 Special Cmpds for Waters

Batch number: N052351AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4584276	102	104	110	107
Blank	101	102	112	109
LCS	102	106	111	110
LCSD	103	106	112	110
MS	103	104	111	110

Limits: 81-120 82-112 85-112 83-113

Analysis Name: 8260 Special Cmpds for Soils

Batch number: R052301AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4584258	63*	59*	51*	43*
4584259	71	73	63*	65*
4584260	79	81	80	126
4584277	92	91	89	84
Blank	96	98	94	88
LCS	84	84	84	84
LCSD	84	83	82	83

Limits: 70-129 70-121 70-130 70-128

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

### Surrogate Quality Control

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: R052311AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4584261	86	86	86	81
4584262	72	72	61*	91
4584263	73	73	68*	97
4584264	76	74	68*	112
4584265	85	82	81	111
4584266	74	74	70	69*
4584267	87	87	84	94
4584269	87	88	85	110
4584270	76	78	71	82
4584273	77	76	73	82
4584274	80	80	75	85
Blank	93	94	91	87
LCS	91	91	90	89
LCSD	97	100	97	94
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: X052291AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4584252	85	80	96	80
4584253	82	82	97	80
4584254	89	85	112	85
4584255	92	91	113	165*
4584257	85	81	95	82
4584268	83	79	93	85
4584271	86	83	97	80
4584272	76	52*	118	69*
Blank	83	80	92	85
LCS	83	77	92	84
LCSD	84	81	92	85
MS	89	85	93	91
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: X052291AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4584256	92	89	106	71
4584275	88	86	98	90
Blank	88	88	93	88
LCS	83	77	92	84
LCSD	84	81	92	85
MS	89	85	93	91
Limits:	70-129	70-121	70-130	70-128

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 01:45 PM

Group Number: 955435

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# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 955435

Sample Nos.: 4584252-77

Acc't No.: 11549

SCR No.:

Cooler temperature upon receipt: °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix		Analyses Requested												Remarks:			
Project Manager: <u>[REDACTED]</u>		Quote #:																			
Project Name/ID: <u>Former Metro Container Investigation</u>																					
Sampler: <u>[REDACTED]</u>																					
P.O. #:																					
Name of state where samples were collected: <u>PA</u>																					
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture			
05-MET-061		8/15/05	830	/	/	/	/	/	4	/	/	/	/	/	/	/	/	/	N (7.5-8.0)		
05-MET-062			855	/	/	/	/	/	4	/	/	/	/	/	/	/	/	/	N (5.25-5.75)		
05-MET-063			930	/	/	/	/	/	4	/	/	/	/	/	/	/	/	/	N (1.75-2.25)		
05-MET-064			955	/	/	/	/	/	4	/	/	/	/	/	/	/	/	/	N (0.5-1.0)		
05-MET-065			1020	/	/	/	/	/	4	/	/	/	/	/	/	/	/	/	N (11.75-12.25)		
05-MET-065A			1025	/	/	/	/	/	4	/	/	/	/	/	/	/	/	/	FD (11.75-12.25)		
05-MET-065B			1100	/	/	/	/	/	4	/	/	/	/	/	/	/	/	/	N (21.75-26.75)		
05-MET-065V			1145	/	/	/	/	/	4	/	/	/	/	/	/	/	/	/	N (29-29.5)		
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush																					
(Rush TAT is subject to Lancaster Laboratories approval and surcharge)																					
Date results are needed: <u>[REDACTED]</u>																					
Rush results requested by (please circle): Fax Email																					
Fax #: Email address:																					
Data Package Options (please circle if required)																					
QC Summary																					
Type I (Tier I)																					
Type II (Tier II)																					
Type III (NJ Reduced Del.)																					
Type IV (CLP)																					
Type VI (Raw Data)																					
GLP																					
Other																					
SDG Complete? Yes No																					
Site specific QC required? Yes No																					
(If yes, indicate QC sample and submit triplicate volume.)																					
Internal chain of custody required? Yes No																					
Relinquished by:																					
Relinquished by:																					
Relinquished by:																					
Date: Time: Received by:																					
Date: Time: Received by:																					
Date: Time: Received by:																					
Date: Time: Received by:																					





# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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REVISED

**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 955436. Samples arrived at the laboratory on Monday, August 15, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-007 Grab Water Sample	4584278
05-MET-007 Filtered Grab Water Sample	4584279
05-MET-007A Grab Water Sample	4584280
05-MET-007A Filtered Grab Water Sample	4584281
05-MET-014 Grab Water Sample	4584282
05-MET-014 Filtered Grab Water Sample	4584283
05-MET-015 Grab Water Sample	4584284
05-MET-015 Filtered Grab Water Sample	4584285
05-MET-009 Grab Water Sample	4584286
05-MET-009 Filtered Grab Water Sample	4584287
05-MET-022 Grab Water Sample	4584288
05-MET-022 Filtered Grab Water Sample	4584289
05-MET-023 Grab Water Sample	4584290
05-MET-023 Filtered Grab Water Sample	4584291
05-MET-062 Grab Water Sample	4584292
05-MET-062 Filtered Grab Water Sample	4584293
05-MET-065 Grab Water Sample	4584294
05-MET-065 Filtered Grab Water Sample	4584295
EB081505W Equipment Blank Grab Water Sample	4584296
TB081505W Trip Blank Water Sample	4584297

1 COPY TO

Montgomery Watson Harza


Attn:



REVISED

Questions? Contact your Client Services Representative  
[REDACTED] at (717) 656-2300

Respectfully Submitted,



Senior Specialist

Lancaster Laboratories Sample No. WW 4584278

05-MET-007 Grab Water Sample

N(0-10)

Former Metro Container Investigation

Collected: 08/15/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:21

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	10.6 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	59.0	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	7.0 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	3.5 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	8.5	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	172.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	108.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	654.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	91.4	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	768.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	39.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	2.8	2.8	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	3.6	3.6	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	2.0	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101639

Lancaster Laboratories Sample No. WW 4584278

05-MET-007 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:21

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	120.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	97.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	32. J	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and 4,4'-DDT.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0093	0.028	ug/l	1
The surrogate for the method blank and the LCS are outside the QC limits. Since the recoveries are out of specification high and there are no analytes of interest in this sample, this data is reported.							

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	0.9	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	5.	0.9	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	0.9	5.	ug/l	1
03925	Phenol	108-95-2	13.	0.9	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	0.9	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	5. J	3.	9.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	0.9	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	0.9	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	0.9	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	9.	28.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	4. J	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.9	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	0.9	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	0.9	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	0.9	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.9	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101640

Lancaster Laboratories Sample No. WW 4584278

05-MET-007 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:21  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03941	Hexachloroethane	67-72-1	N.D.	0.9	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.9	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	0.9	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	0.9	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.9	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.9	5.	ug/l	1
03947	Naphthalene	91-20-3	86.	0.9	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	0.9	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	0.9	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	0.9	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	0.9	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	0.9	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	0.9	5.	ug/l	1
03956	Fluorene	86-73-7	4. J	0.9	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.9	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	0.9	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	0.9	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	0.9	5.	ug/l	1
03963	Phenanthrene	85-01-8	21.	0.9	5.	ug/l	1
03964	Anthracene	120-12-7	3. J	0.9	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	6.	0.9	5.	ug/l	1
03967	Pyrene	129-00-0	16.	0.9	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	6.	0.9	5.	ug/l	1
03971	Chrysene	218-01-9	8.	0.9	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	4. J	0.9	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	0.9	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	7.	0.9	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	2. J	0.9	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101641

Lancaster Laboratories Sample No. WW 4584278

05-MET-007 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:00

by █

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:21  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03979	Dibenz(a,h)anthracene	53-70-3	4. J	0.9	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	8.	0.9	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1.	13.	ug/l	2.5
02015	t-Butyl alcohol	75-65-0	N.D.	25.	200.	ug/l	2.5
05385	Chloromethane	74-87-3	N.D.	3.	13.	ug/l	2.5
05386	Vinyl Chloride	75-01-4	N.D.	3.	13.	ug/l	2.5
05387	Bromomethane	74-83-9	N.D.	3.	13.	ug/l	2.5
05388	Chloroethane	75-00-3	N.D.	3.	13.	ug/l	2.5
05389	Trichlorofluoromethane	75-69-4	N.D.	5.	13.	ug/l	2.5
05390	1,1-Dichloroethene	75-35-4	N.D.	2.	13.	ug/l	2.5
05391	Methylene Chloride	75-09-2	N.D.	5.	13.	ug/l	2.5
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	2.	13.	ug/l	2.5
05393	1,1-Dichloroethane	75-34-3	N.D.	3.	13.	ug/l	2.5
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	2.	13.	ug/l	2.5
05396	Chloroform	67-66-3	N.D.	2.	13.	ug/l	2.5
05398	1,1,1-Trichloroethane	71-55-6	N.D.	2.	13.	ug/l	2.5
05399	Carbon Tetrachloride	56-23-5	N.D.	3.	13.	ug/l	2.5
05401	Benzene	71-43-2	3. J	1.	13.	ug/l	2.5
05402	1,2-Dichloroethane	107-06-2	N.D.	3.	13.	ug/l	2.5
05403	Trichloroethene	79-01-6	N.D.	3.	13.	ug/l	2.5
05404	1,2-Dichloropropane	78-87-5	N.D.	3.	13.	ug/l	2.5
05406	Bromodichloromethane	75-27-4	N.D.	3.	13.	ug/l	2.5
05407	Toluene	108-88-3	700.	18.	130.	ug/l	25
05408	1,1,2-Trichloroethane	79-00-5	N.D.	2.	13.	ug/l	2.5
05409	Tetrachloroethene	127-18-4	N.D.	2.	13.	ug/l	2.5
05411	Dibromochloromethane	124-48-1	N.D.	3.	13.	ug/l	2.5
05413	Chlorobenzene	108-90-7	N.D.	2.	13.	ug/l	2.5
05415	Ethylbenzene	100-41-4	600.	2.	13.	ug/l	2.5
05419	Bromoform	75-25-2	N.D.	3.	13.	ug/l	2.5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	3.	13.	ug/l	2.5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	3.	13.	ug/l	2.5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	3.	13.	ug/l	2.5
06310	Xylene (Total)	1330-20-7	3,200.	20.	130.	ug/l	25
06875	Acrylonitrile	107-13-1	N.D.	10.	50.	ug/l	2.5
06888	Acrolein	107-02-8	N.D.	100.	250.	ug/l	2.5
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	5.	25.	ug/l	2.5

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

\*=This limit was used in the evaluation of the final result

AR101642

Lancaster Laboratories Sample No. WW 4584278

05-MET-007 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:00 by [REDACTED] Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:21  
Discard: 11/04/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/19/2005 08:29	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/18/2005 02:38	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/23/2005 11:45	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:17	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 08:49	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/20/2005 11:50	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101643

Lancaster Laboratories Sample No. WW 4584278

05-MET-007 Grab Water Sample

N(0-10)

Former Metro Container Investigation

Collected: 08/15/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:21

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT-7

04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 15:38	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 20:47	[REDACTED]	2.5
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 21:10	[REDACTED]	25
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 17:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/16/2005 21:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 20:47	[REDACTED]	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	08/19/2005 21:10	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/17/2005 11:30	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584278  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09355.i/05aug19a.b/yg19s13.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 2.5  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.68	150	J
2.	!Unknown aromatic	12.74	81	J
3.	!Unknown aromatic	12.90	65	J
4.	!Unknown aromatic	13.03	230	J
5.	!Unknown aromatic	13.34	170	J
6.	!Unknown aromatic	13.49	230	J
7.	!Unknown aromatic	13.74	170	J
8.	!Unknown aromatic	13.79	160	J
9.	!Unknown aromatic	13.89	77	J
10.	!Unknown aromatic	14.01	81	J
11.	!Unknown aromatic	14.07	130	J
12.	!Unknown aromatic	14.10	230	J
13.	!Unknown aromatic	14.31	79	J
14.	!Unknown aromatic	14.39	280	J
15.	Naphthalene	14.86	340	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101645



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) WATER Lab Sample ID: 4584278  
Sample wt/vol: 1053 (g/mL) mL Lab File ID: eh0571.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture:                      Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Benzene, 1-ethyl-2-methyl-	3.464	44	JX
2.	Benzene, 1,2,3-trimethyl-	3.704	68	JX
3.	Benzene, 1-ethyl-2-methyl-	3.891	57	JX
4.	Unknown	4.121	61	J
5.	Benzene, 1-ethyl-2,4-dimethyl-	4.297	75	JX
6.	Benzene, 1-methyl-2-(1-methyl-)	4.420	34	JX
7.	Benzene, 1,2,3,4-tetramethyl-	4.495	41	JX
8.	Benzene, 1,2,4,5-tetramethyl-	4.516	74	JX
9.	Unknown	4.698	87	J
10.	Unknown	7.241	28	J
11.	Unknown Carboxylic Acid	8.726	17	J
12.	Unknown	8.822	13	J
13.	Unknown Alkane	8.843	13	J
14.	Unknown	8.939	26	J
15.	Unknown	9.030	15	J
16.	Unknown Alkane	9.137	18	J
17.	Unknown	9.180	14	J
18.	Unknown	9.244	17	J
19.	Unknown Alkane	9.420	34	J
20.	Unknown	9.522	16	J
21.	Unknown	9.607	25	J
22.	Unknown Alkane	9.698	18	J
23.	Unknown Alkane	9.965	16	J
24.	Unknown Alkane	10.232	14	J
25.	Unknown Alkane	10.494	26	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101646



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4584279

05-MET-007 Filtered Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:22

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result		As Received	As Received	Units	Dilution Factor
					Method	Limit of		
					Detection Limit*	Quantitation		
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	11.7	J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	11.3		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/19/2005 08:30	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/18/2005 02:43	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 02:43	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 02:43	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 02:43	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 02:43	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 02:43	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 02:43	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 02:43	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 02:43	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 02:43	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 02:43	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005 00:51	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101647

Lancaster Laboratories Sample No. WW 4584280

05-MET-007A Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:22  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT7A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	13.9 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	26.0	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	1.1 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	2.1 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	70.5	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	55.2	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	238.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	33.7	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	243.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	29. J	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.019	0.097	ug/l	10
01601	Beta BHC	319-85-7	N.D.	0.12	0.39	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.019	0.097	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.037	0.097	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.019	0.097	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.049	0.19	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.019	0.097	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	0.039	0.19	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.058	0.19	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.058	0.19	ug/l	10
01610	Dieldrin	60-57-1	N.D.	0.097	0.29	ug/l	10
01611	Endrin	72-20-8	N.D.	0.039	0.19	ug/l	10
01612	Chlordane	57-74-9	N.D.	0.68	4.9	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	2.9	9.7	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.039	0.19	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.019	0.097	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.058	0.19	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	0.22	0.97	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	0.97	4.9	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	1.1	4.9	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	0.97	4.9	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	0.97	4.9	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101648

Lancaster Laboratories Sample No. WW 4584280

05-MET-007A Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:22  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT7A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	1.6 J	0.97	4.9	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	1.4	4.9	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	0.97	4.9	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	0.29	0.97	ug/l	10
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.							
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.010	0.030	ug/l	1
The surrogate for the method blank and the LCS are outside the QC limits. Since the recoveries are out of specification high and there are no analytes of interest in this sample, this data is reported.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	4. J	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	9.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	4. J	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	3. J	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101649

Lancaster Laboratories Sample No. WW 4584280

05-MET-007A Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:22  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT7A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	66.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	3. J	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	18.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	3. J	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	6.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	16.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	8.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	10.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	5. J	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	9.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	3. J	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	4. J	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	10.	1.	5.	ug/l	1
07582	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR101650

Lancaster Laboratories Sample No. WW 4584280

05-MET-007A Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:22  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT7A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1.	13.	ug/l	2.5
02015	t-Butyl alcohol	75-65-0	N.D.	25.	200.	ug/l	2.5
05385	Chloromethane	74-87-3	N.D.	3.	13.	ug/l	2.5
05386	Vinyl Chloride	75-01-4	N.D.	3.	13.	ug/l	2.5
05387	Bromomethane	74-83-9	N.D.	3.	13.	ug/l	2.5
05388	Chloroethane	75-00-3	N.D.	3.	13.	ug/l	2.5
05389	Trichlorofluoromethane	75-69-4	N.D.	5.	13.	ug/l	2.5
05390	1,1-Dichloroethene	75-35-4	N.D.	2.	13.	ug/l	2.5
05391	Methylene Chloride	75-09-2	N.D.	5.	13.	ug/l	2.5
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	2.	13.	ug/l	2.5
05393	1,1-Dichloroethane	75-34-3	N.D.	3.	13.	ug/l	2.5
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	2.	13.	ug/l	2.5
05396	Chloroform	67-66-3	N.D.	2.	13.	ug/l	2.5
05398	1,1,1-Trichloroethane	71-55-6	N.D.	2.	13.	ug/l	2.5
05399	Carbon Tetrachloride	56-23-5	N.D.	3.	13.	ug/l	2.5
05401	Benzene	71-43-2	2. J	1.	13.	ug/l	2.5
05402	1,2-Dichloroethane	107-06-2	N.D.	3.	13.	ug/l	2.5
05403	Trichloroethene	79-01-6	N.D.	3.	13.	ug/l	2.5
05404	1,2-Dichloropropane	78-87-5	N.D.	3.	13.	ug/l	2.5
05406	Bromodichloromethane	75-27-4	N.D.	3.	13.	ug/l	2.5
05407	Toluene	108-88-3	670.	2.	13.	ug/l	2.5
05408	1,1,2-Trichloroethane	79-00-5	N.D.	2.	13.	ug/l	2.5
05409	Tetrachloroethene	127-18-4	N.D.	2.	13.	ug/l	2.5
05411	Dibromochloromethane	124-48-1	N.D.	3.	13.	ug/l	2.5
05413	Chlorobenzene	108-90-7	N.D.	2.	13.	ug/l	2.5
05415	Ethylbenzene	100-41-4	500.	2.	13.	ug/l	2.5
05419	Bromoform	75-25-2	N.D.	3.	13.	ug/l	2.5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	3.	13.	ug/l	2.5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	3.	13.	ug/l	2.5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	3.	13.	ug/l	2.5
06310	Xylene (Total)	1330-20-7	2,800.	20.	130.	ug/l	25
06875	Acrylonitrile	107-13-1	N.D.	10.	50.	ug/l	2.5
06888	Acrolein	107-02-8	N.D.	100.	250.	ug/l	2.5
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	5.	25.	ug/l	2.5

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.  
The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

\*=This limit was used in the evaluation of the final result

AR101651

Lancaster Laboratories Sample No. WW 4584280

05-MET-007A Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Montgomery Watson Harza

Reported: 10/04/2005 at 16:22

P.O. Box 7009

Discard: 11/04/2005

Pasadena CA 91109-7009

WMT7A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/19/2005 08:32	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/18/2005 02:48	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/23/2005 11:47	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:18	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 09:31	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/20/2005 12:49	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 15:59	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 21:34	[REDACTED]	2.5
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 21:57	[REDACTED]	25
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 17:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101652

Lancaster Laboratories Sample No. WW 4584280

05-MET-007A Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:22

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## WMT7A

00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/16/2005 21:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 21:34	[REDACTED]	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	08/19/2005 21:57	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/17/2005 11:30	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584280  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09355.i/05aug19a.b/yg19s15.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 2.5  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.68	140	J
2.	!Unknown aromatic	12.74	73	J
3.	!Unknown aromatic	13.03	210	J
4.	!Unknown aromatic	13.34	150	J
5.	!Unknown aromatic	13.49	110	J
6.	!Unknown aromatic	13.52	110	J
7.	!Unknown aromatic	13.74	170	J
8.	!Unknown aromatic	13.79	160	J
9.	!Unknown aromatic	13.89	76	J
10.	!Unknown aromatic	14.01	80	J
11.	!Unknown aromatic	14.07	120	J
12.	!Unknown aromatic	14.11	220	J
13.	!Unknown aromatic	14.31	78	J
14.	!Unknown aromatic	14.41	280	J
15.	Naphthalene	14.86	320	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101654

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) WATER Lab Sample ID: 4584280  
Sample wt/vol: 1051 (g/mL) mL Lab File ID: eh0572.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture:                      Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Benzene, 1-ethyl-2-methyl-	3.464	35	JX
2.	Benzene, 1,3,5-trimethyl-	3.704	55	JX
3.	Benzene, 1-ethyl-3-methyl-	3.891	39	JX
4.	Benzene, 1,3-diethyl-	4.115	51	JX
5.	Benzene, 1-methyl-3-(1-methyl-)	4.297	63	JX
6.	Benzene, 1-methyl-4-(1-methyl-)	4.415	26	JX
7.	Benzene, 1,2,4,5-tetramethyl-	4.489	33	JX
8.	Benzene, 1,2,3,4-tetramethyl-	4.516	62	JX
9.	Unknown	4.698	79	J
10.	Unknown	8.940	10	J
11.	Unknown	9.025	10	J
12.	Unknown Alkane	9.137	15	J
13.	Unknown	9.239	9	J
14.	Unknown Alkane	9.420	26	J
15.	Unknown	9.607	12	J
16.	Unknown Alkane	9.698	17	J
17.	Unknown Alkane	9.965	17	J
18.	Benz[a]anthracene, 1-methyl-	10.077	10	JX
19.	Unknown Alkane	10.232	15	J
20.	Unknown Alkane	10.494	24	J
21.	Unknown Alkane	10.756	20	J
22.	Benzo[e]pyrene	10.809	15	JX
23.	Unknown Alkane	11.007	23	J
24.	Unknown Alkane	11.269	15	J
25.	Unknown Alkane	11.563	15	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101655



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4584281

05-MET-007A Filtered Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:23

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/19/2005 08:36	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/18/2005 02:53	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 02:53	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 02:53	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 02:53	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 02:53	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 02:53	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 02:53	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 02:53	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 02:53	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 02:53	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 02:53	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005 00:56	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101656

Lancaster Laboratories Sample No. WW 4584282

05-MET-014 Grab Water Sample

N(0-10)

Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:23

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	15.3	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	68.7	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	95.4	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	12.5 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	19.8	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	4.9	25.0	ug/l	5
The quantitation limit for cadmium was increased due to the nature of the sample matrix.							
07051	Chromium	7440-47-3	823.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	543.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	2,010.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	347.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	4.8 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	3,370.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	30. J	18.	60.	ug/l	1
Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.							
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	0.51 J	0.40	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101657

Lancaster Laboratories Sample No. WW 4584282

05-MET-014 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:23  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	N.D.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
The surrogate for the method blank and the LCS are outside the QC limits. Since the recoveries are out of specification high and there are no analytes of interest in this sample, this data is reported.							

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	540.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101658

Lancaster Laboratories Sample No. WW 4584282

05-MET-014 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:23  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	330.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	240.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	940.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	760.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	350.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	2,400.	100.	500.	ug/l	10
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	2,800.	100.	500.	ug/l	10
03971	Chrysene	218-01-9	2,300.	100.	500.	ug/l	10
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	1,200.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	300.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	3,200.	100.	500.	ug/l	10
03978	Indeno(1,2,3-cd)pyrene	193-39-5	960.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101659

Lancaster Laboratories Sample No. WW 4584282

05-MET-014 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:23  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03979	Dibenz(a,h)anthracene	53-70-3	1,300.	100.	500.	ug/l	10
03980	Benzo(g,h,i)perylene	191-24-2	3,400.	100.	500.	ug/l	10
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101660

Lancaster Laboratories Sample No. WW 4584282

05-MET-014 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30 by [REDACTED] Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:23  
Discard: 11/04/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample. The initial analysis for GC/MS volatiles could not be reported, because surrogate recoveries were outside of QC limits. The analysis was repeated using a previously opened vial, and surrogate recoveries were within QC limits. The results reported are from the re-analysis.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/19/2005 08:38	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/18/2005 02:58	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 02:58	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 02:58	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 02:58	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 02:58	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 01:00	[REDACTED]	5
07051	Chromium	SW-846 6010B	1	08/18/2005 02:58	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 02:58	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 02:58	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 02:58	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 02:58	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/18/2005 02:58	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101661



Lancaster Laboratories Sample No. WW 4584282

05-MET-014 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:23

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## WMT14

02393	Phenols	SW846 9066	1	08/23/2005 11:48	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:19	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 23:33	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/20/2005 13:49	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 16:20	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/18/2005 14:42	[REDACTED]	10
07582	PPL Volatiles	SW-846 8260B	1	08/26/2005 19:30	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 17:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/16/2005 21:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/26/2005 19:30	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/17/2005 11:30	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584282  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug26a.b/lg26s27.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/26/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	13.14	51	J
2.	!Unknown aromatic	13.45	18	J
3.	!Unknown aromatic	13.54	26	J
4.	!Unknown aromatic	13.80	16	J
5.	!Unknown aromatic	13.95	24	J
6.	!Unknown aromatic	14.06	75	J
7.	!Unknown aromatic	14.27	17	J
8.	!Unknown aromatic	14.37	41	J
9.	!Unknown aromatic	14.59	17	J
10.	!Unknown aromatic	14.64	17	J
11.	!Unknown aromatic	14.72	29	J
12.	!Unknown aromatic	14.84	28	J
13.	!Unknown aromatic	14.99	32	J
14.	!Unknown aromatic	15.22	16	J
15.	!Unknown aromatic	15.39	32	J
16.				
17.				
18.				
19.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
! \_\_\_\_\_!  
! WMT14  
! \_\_\_\_\_!

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584282  
Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0573.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Cycloalkane	5.691	850	J
2.	!Unknown	6.188	850	J
3.	!Unknown Cycloalkane	6.621	1400	J
4.	!Naphthalene, 1,4,6-trimethyl	6.706	800	JX
5.	!Unknown	6.867	1600	J
6.	!Unknown Alkane	6.958	1400	J
7.	!Unknown Cycloalkane	7.038	540	J
8.	!Unknown Alkane	7.182	480	J
9.	!Unknown	7.294	370	J
10.	!Unknown	7.326	450	J
11.	!Unknown	7.700	380	J
12.	!Unknown	7.855	480	J
13.	!Unknown	8.010	860	J
14.	!Anthracene, 1-methyl-	8.101	520	JX
15.	!Unknown	8.277	420	J
16.	!Unknown	8.469	540	J
17.	!Unknown	8.491	620	J
18.	!Triphenylene, 2-methyl-	10.109	460	JX
19.	!Benzo[c]phenanthrene, 5,8-di	10.398	1000	JX
20.	!Unknown	10.467	680	J
21.	!Benzo[a]pyrene	10.841	1100	JX
22.	!Perylene, 3-methyl-	11.130	960	JX
23.	!Perylene, 3-methyl-	11.157	700	JX
24.	!Unknown	11.461	690	J
25.	!Unknown	12.481	700	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101664



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4584283

05-MET-014 Filtered Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:24  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/19/2005 08:39	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/18/2005 03:04	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 03:04	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 03:04	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 03:04	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 03:04	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 03:04	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 03:04	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 03:04	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 03:04	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 03:04	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 03:04	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005 01:15	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101665



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 8  
REVISED

Lancaster Laboratories Sample No. WW 4584284

05-MET-015 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/15/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:24

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	7.0 J	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	253.	100.	200.	ug/l	10
07035	Arsenic	7440-38-2	294.	46.5	100.	ug/l	5
07036	Selenium	7782-49-2	75.7 J	47.0	100.	ug/l	5
07044	Antimony	7440-36-0	N.D.	32.0	100.	ug/l	5
07047	Beryllium	7440-41-7	65.9	2.2	25.0	ug/l	5
07049	Cadmium	7440-43-9	49.8 J	19.4	100.	ug/l	20
07051	Chromium	7440-47-3	2,700.	24.0	75.0	ug/l	5
07053	Copper	7440-50-8	1,420.	9.0	50.0	ug/l	5
07055	Lead	7439-92-1	1,950.	42.0	100.	ug/l	5
07061	Nickel	7440-02-0	1,350.	29.0	50.0	ug/l	5
07066	Silver	7440-22-4	N.D.	10.0	25.0	ug/l	5
07072	Zinc	7440-66-6	36,600.	26.5	100.	ug/l	5
	The quantitation limit for the ICP metals were increased due to high amounts of yttrium in the sample.						
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	0.043 J	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101666

Lancaster Laboratories Sample No. WW 4584284

05-MET-015 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/15/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:24  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0091	0.027	ug/l	1
	The surrogate for the method blank and the LCS are outside the QC limits. Since the recoveries are out of specification high and there are no analytes of interest in this sample, this data is reported.						
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	14. J	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101667

Lancaster Laboratories Sample No. WW 4584284

05-MET-015 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/15/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:24  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	11. J	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	13. J	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	67.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	31. J	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	18. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	68.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	49. J	10.	50.	ug/l	1
03971	Chrysene	218-01-9	53.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	18. J	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	28. J	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	12. J	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	14. J	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	25. J	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

07582 PPL Volatiles

\*=This limit was used in the evaluation of the final result

AR101668

Lancaster Laboratories Sample No. WW 4584284

05-MET-015 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/15/2005 10:00

by █

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:24

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	1. J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	5. J	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	6.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	4. J	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	3. J	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	4. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	2. J	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	2. J	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR101669



Lancaster Laboratories Sample No. WW 4584284

05-MET-015 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/15/2005 10:00 by XXXXXXXXXX Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:24  
Discard: 11/04/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatiles Library Search

The results from the semivolatiles library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/19/2005 08:41	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	50
07022	Thallium	SW-846 6010B	1	08/23/2005 01:47	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	10
07035	Arsenic	SW-846 6010B	1	08/19/2005 01:20	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	5
07036	Selenium	SW-846 6010B	1	08/19/2005 01:20	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	5
07044	Antimony	SW-846 6010B	1	08/19/2005 01:20	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	5
07047	Beryllium	SW-846 6010B	1	08/19/2005 01:20	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	5
07049	Cadmium	SW-846 6010B	1	08/23/2005 10:28	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	20
07051	Chromium	SW-846 6010B	1	08/19/2005 01:20	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	5
07053	Copper	SW-846 6010B	1	08/19/2005 01:20	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	5
07055	Lead	SW-846 6010B	1	08/19/2005 01:20	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	5
07061	Nickel	SW-846 6010B	1	08/19/2005 01:20	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	5
07066	Silver	SW-846 6010B	1	08/19/2005 01:20	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	5
07072	Zinc	SW-846 6010B	1	08/19/2005 01:20	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	5
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/17/2005 23:54	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07879	EDB	SW-846 8011	1	08/20/2005 14:19	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 16:41	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07582	PPL Volatiles	SW-846 8260B	1	08/26/2005 12:48	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 17:30	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/16/2005 21:35	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/26/2005 12:48	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1

\*=This limit was used in the evaluation of the final result

AR101670



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8  
REVISED

Lancaster Laboratories Sample No. WW 4584284

05-MET-015 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/15/2005 10:00 by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:24  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT15

07786 EDB Extraction

SW-846 8011

1 08/17/2005 11:30 [REDACTED]

1

\*=This limit was used in the evaluation of the final result

AR101671

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584284  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug26a.b/lg26s02.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/26/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	13.14	27	J
2.	!Unknown aromatic	13.45	8	J
3.	!Unknown aromatic	13.54	18	J
4.	!Unknown aromatic	13.95	13	J
5.	!Unknown aromatic	14.06	44	J
6.	!Unknown aromatic	14.37	25	J
7.	!Unknown aromatic	14.72	13	J
8.	!Unknown aromatic	14.84	14	J
9.	!Unknown aromatic	14.99	13	J
10.	!Unknown aromatic	15.08	12	J
11.	!Unknown aromatic	15.39	21	J
12.	!Unknown alkane	15.58	13	J
13.	!Unknown aromatic	15.74	15	J
14.	!Unknown alicyclic	15.78	15	J
15.	!Unknown	15.93	17	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101672

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584284  
Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0574.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Cycloalkane	6.167	160	J
2.	!Unknown	6.861	160	J
3.	!Unknown	6.952	160	J
4.	!Unknown Alkane	7.321	190	J
5.	!Unknown Alkane	7.673	120	J
6.	!Unknown	8.079	190	J
7.	!Unknown	8.448	170	J
8.	!Unknown	8.715	190	J
9.	!Unknown	10.141	220	J
10.	!Unknown	10.408	270	J
11.	!Unknown	10.440	280	J
12.	!Unknown	10.467	290	J
13.	!Unknown	10.489	500	J
14.	!Unknown	10.542	170	J
15.	!Unknown	10.665	290	J
16.	!Unknown	10.921	160	J
17.	!Unknown	10.969	130	J
18.	!Unknown	11.001	140	J
19.	!Unknown	11.087	120	J
20.	!Unknown	11.114	280	J
21.	!Unknown	11.317	170	J
22.	!Unknown	11.413	460	J
23.	!Unknown	11.792	190	J
24.	!Unknown	12.209	120	J
25.	!Unknown	12.246	100	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101673



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4584285

05-MET-015 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/15/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:24  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	11.0 J	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	87.2	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
00259	Mercury	SW-846 7470A	1	08/19/2005	08:42	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/18/2005	03:14	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005	15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005	19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101674

Lancaster Laboratories Sample No. WW 4584286

05-MET-009 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:25  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	8.4 J	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	158.	50.0	100.	ug/l	5
07035	Arsenic	7440-38-2	100.	46.5	100.	ug/l	5
07036	Selenium	7782-49-2	N.D.	47.0	100.	ug/l	5
07044	Antimony	7440-36-0	N.D.	32.0	100.	ug/l	5
07047	Beryllium	7440-41-7	42.8	2.2	25.0	ug/l	5
07049	Cadmium	7440-43-9	N.D.	4.9	25.0	ug/l	5
07051	Chromium	7440-47-3	707.	24.0	75.0	ug/l	5
07053	Copper	7440-50-8	532.	9.0	50.0	ug/l	5
07055	Lead	7439-92-1	1,330.	42.0	100.	ug/l	5
07061	Nickel	7440-02-0	966.	29.0	50.0	ug/l	5
07066	Silver	7440-22-4	N.D.	10.0	25.0	ug/l	5
07072	Zinc	7440-66-6	N.D.	26.5	100.	ug/l	5
	The quantitation limits for the ICP metals were increased due to high amounts of yttrium in the sample.						
02393	Phenols	n.a.	15. J	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	0.51 J	0.40	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101675

Lancaster Laboratories Sample No. WW 4584286

05-MET-009 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:25  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	N.D.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0094	0.028	ug/l	1
The surrogate for the method blank and the LCS are outside the QC limits. Since the recoveries are out of specification high and there are no analytes of interest in this sample, this data is reported.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	37. J	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101676

Lancaster Laboratories Sample No. WW 4584286

05-MET-009 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:25  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	89.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	72.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	230.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	370.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	230.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	1,200.	20.	100.	ug/l	2
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	780.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	710.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	110.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	24. J	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	270.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	64.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	110.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	120.	10.	50.	ug/l	1
Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.							

\*=This limit was used in the evaluation of the final result

AR101677



Lancaster Laboratories Sample No. WW 4584286

05-MET-009 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:25  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

\*=This limit was used in the evaluation of the final result

AR101678

Lancaster Laboratories Sample No. WW 4584286

05-MET-009 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00 by [REDACTED] Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:25  
Discard: 11/04/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037  
After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/19/2005 08:48	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/23/2005 01:52	[REDACTED]	5
07035	Arsenic	SW-846 6010B	1	08/19/2005 01:25	[REDACTED]	5
07036	Selenium	SW-846 6010B	1	08/19/2005 01:25	[REDACTED]	5
07044	Antimony	SW-846 6010B	1	08/19/2005 01:25	[REDACTED]	5
07047	Beryllium	SW-846 6010B	1	08/19/2005 01:25	[REDACTED]	5
07049	Cadmium	SW-846 6010B	1	08/19/2005 01:25	[REDACTED]	5
07051	Chromium	SW-846 6010B	1	08/19/2005 01:25	[REDACTED]	5
07053	Copper	SW-846 6010B	1	08/19/2005 01:25	[REDACTED]	5
07055	Lead	SW-846 6010B	1	08/19/2005 01:25	[REDACTED]	5
07061	Nickel	SW-846 6010B	1	08/19/2005 01:25	[REDACTED]	5
07066	Silver	SW-846 6010B	1	08/19/2005 01:25	[REDACTED]	5
07072	Zinc	SW-846 6010B	1	08/19/2005 01:25	[REDACTED]	5
02393	Phenols	SW846 9066	1	08/23/2005 11:49	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:23	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 00:15	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/20/2005 14:49	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 17:02	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/22/2005 19:16	[REDACTED]	2
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 23:06	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 17:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4584286

05-MET-009 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/15/2005 11:00

by ■

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:25

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT-4

00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/16/2005 21:35	■■■■■■■■■■	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 23:06	■■■■■■■■■■■■■■■■■■■■	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	■■■■■■■■■■■■■■■■■■■■	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	■■■■■■■■■■■■■■■■■■■■	1
07786	EDB Extraction	SW-846 8011	1	08/17/2005 11:30	■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/20/2005 03:15	■■■■■■■■■■■■■■■■■■■■	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	■■■■■■■■■■■■■■■■■■■■	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584286  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09355.i/05aug19a.b/yg19s19.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	14.32	37	J
2.	!Unknown alkane	14.40	78	J
3.	!Unknown alicyclic	14.49	51	J
4.	!Unknown	14.59	35	J
5.	!Unknown alkane	14.66	52	J
6.	!Unknown alicyclic	14.73	37	J
7.	!Unknown aromatic	14.83	32	J
8.	!Unknown	14.91	38	J
9.	!Unknown aromatic	14.97	40	J
10.	!Unknown	15.03	40	J
11.	!Unknown alkane	15.09	44	J
12.	!Unknown	15.18	34	J
13.	!Unknown	15.29	53	J
14.	!Unknown	15.36	34	J
15.	!Unknown alicyclic	15.46	34	J
16.				
17.				
18.				
19.				
20.				
21.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101681

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584286  
Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0575.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	5.526	600	J
2.	!Unknown Cycloalkane	5.691	680	J
3.	!Unknown	5.932	610	J
4.	!Unknown Cycloalkane	6.172	680	J
5.	!Unknown Cycloalkane	6.621	670	J
6.	!Unknown	6.872	970	J
7.	!Unknown	6.963	370	J
8.	!Unknown Cycloalkane	7.037	720	J
9.	!Unknown	7.118	660	J
10.	!Unknown Cycloalkane	7.273	710	J
11.	!1,1'-Biphenyl, 2,3'-dimethyl	7.299	780	JX
12.	!Unknown	7.331	660	J
13.	!Unknown	7.486	1200	J
14.	!Unknown	7.705	640	J
15.	!Unknown	7.871	610	J
16.	!Unknown	8.015	1100	J
17.	!Unknown	8.106	790	J
18.	!Unknown	8.277	720	J
19.	!Unknown	8.421	620	J
20.	!Unknown	8.469	750	J
21.	!Unknown	8.501	940	J
22.	!Unknown	9.052	610	J
23.	!Unknown	9.094	550	J
24.	!Unknown	9.180	720	J
25.	!Unknown	9.458	490	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101682



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4584287

05-MET-009 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/15/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:25  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result		As Received	As Received	Units	Dilution Factor
					Method	Limit of		
					Detection	Quantitation		
					Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	7.3	J	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	6.2	J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/19/2005 08:50	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/18/2005 03:25	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 03:25	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 03:25	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 03:25	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 03:25	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 03:25	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 03:25	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 03:25	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 03:25	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 03:25	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 03:25	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005 01:29	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101683

Lancaster Laboratories Sample No. WW 4584288

05-MET-022 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/15/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:25  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	94.5	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	307.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	33.6	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	9.5 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	32.4	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	4.9	25.0	ug/l	5
	The quantitation limit for cadmium was increased due to the nature of the sample matrix.						
07051	Chromium	7440-47-3	654.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	244.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	178.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	361.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	5.0	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	927.	5.3	20.0	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101684

Lancaster Laboratories Sample No. WW 4584288

05-MET-022 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/15/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:25  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
	The surrogate for the method blank and the LCS are outside the QC limits. Since the recoveries are out of specification high and there are no analytes of interest in this sample, this data is reported.						
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101685



Lancaster Laboratories Sample No. WW 4584288

05-MET-022 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/15/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:25

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	2. J	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	2. J	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	9.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	3. J	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	4. J	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	2. J	1.	5.	ug/l	1
03971	Chrysene	218-01-9	2. J	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR101686

Lancaster Laboratories Sample No. WW 4584288

05-MET-022 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/15/2005 12:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:25  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	7.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	0.6 J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR101687

Lancaster Laboratories Sample No. WW 4584288

05-MET-022 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/15/2005 12:00 by [REDACTED] Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:25  
Discard: 11/04/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/19/2005 08:54	<span style="background-color: black; color: black;">[REDACTED]</span>	10
07022	Thallium	SW-846 6010B	1	08/18/2005 03:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 03:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/18/2005 03:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/18/2005 03:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 03:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 01:34	<span style="background-color: black; color: black;">[REDACTED]</span>	5
07051	Chromium	SW-846 6010B	1	08/18/2005 03:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/18/2005 03:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/18/2005 03:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/18/2005 03:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/18/2005 03:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/18/2005 03:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 00:35	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07879	EDB	SW-846 8011	1	08/20/2005 15:49	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 17:23	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 23:52	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 17:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/16/2005 21:35	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 23:52	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07786	EDB Extraction	SW-846 8011	1	08/17/2005 11:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR101688



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8  
REVISED

Lancaster Laboratories Sample No. WW 4584288

05-MET-022 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/15/2005 12:00

by

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:25

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT22

08256 Cyanide Water Distillation SW-846 9012A

1 08/18/2005 15:00

1

\*=This limit was used in the evaluation of the final result

AR101689

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584288  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09355.i/05aug19a.b/yg19s21.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	14.02	21	J
2.	!Unknown aromatic	14.30	18	J
3.	!Unknown aromatic	14.40	47	J
4.	!Unknown alkane	14.65	22	J
5.	!Unknown aromatic	14.72	58	J
6.	!Unknown alkane	14.78	21	J
7.	!Unknown aromatic	14.93	28	J
8.	!Unknown hydrocarbon	14.99	20	J
9.	!Unknown hydrocarbon	15.03	20	J
10.	!Unknown aromatic	15.08	29	J
11.	!Unknown aromatic	15.21	28	J
12.	!Unknown	15.29	29	J
13.	!Unknown aromatic	15.35	31	J
14.	!Unknown alicyclic	15.45	21	J
15.	!Unknown	15.61	24	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101690

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584288  
Sample wt/vol: 1050 (g/mL) mL Lab File ID: eh0576.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	4.879	34	J
2.	!Unknown	4.927	32	J
3.	!Unknown	4.997	33	J
4.	!Unknown	5.248	64	J
5.	!Unknown	5.563	36	J
6.	!Unknown	5.600	39	J
7.	!Unknown	5.627	53	J
8.	!Unknown	5.654	22	J
9.	!Unknown	5.686	30	J
10.	!Unknown	5.937	45	J
11.	!Unknown	6.076	25	J
12.	!Unknown	6.113	32	J
13.	!Unknown	6.140	41	J
14.	!Unknown	6.172	62	J
15.	!Unknown	6.199	25	J
16.	!Unknown	6.247	110	J
17.	!Unknown	6.514	36	J
18.	!Unknown	6.573	39	J
19.	!Unknown	6.605	22	J
20.	!Unknown	6.867	55	J
21.	!Unknown	6.893	48	J
22.	!Unknown	7.075	58	J
23.	!Unknown	7.257	29	J
24.	!Unknown	7.289	22	J
25.	!Unknown	7.903	26	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101691



# Analysis Report

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Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4584289

05-MET-022 Filtered Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/15/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:26

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	95.3		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	7.1 J		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/19/2005 08:55	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/18/2005 03:46	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 03:46	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 03:46	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 03:46	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 03:46	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 03:46	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 03:46	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 03:46	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 03:46	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 03:46	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 03:46	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005 01:39	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101692

Lancaster Laboratories Sample No. WW 4584290

05-MET-023 Grab Water Sample

N(0-10)

Former Metro Container Investigation

Collected: 08/15/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:26

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	1.4 J	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	30.2	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	126.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	27.8	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	4.9	25.0	ug/l	5
	The quantitation limit for cadmium was increased due to the nature of the sample matrix.						
07051	Chromium	7440-47-3	628.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	357.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	907.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	682.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	3.1 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	15,800.	26.5	100.	ug/l	5
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	0.098 J	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101693



Lancaster Laboratories Sample No. WW 4584290

05-MET-023 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:26  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.029	ug/l	1
	The surrogate for the method blank and the LCS are outside the QC limits. Since the recoveries are out of specification high and there are no analytes of interest in this sample, this data is reported.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101694

Lancaster Laboratories Sample No. WW 4584290

05-MET-023 Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:26  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/19/2005 08:56	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/18/2005 03:51	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 03:51	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 03:51	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 03:51	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 03:51	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 01:44	[REDACTED]	5
07051	Chromium	SW-846 6010B	1	08/18/2005 03:51	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 03:51	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 03:51	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 03:51	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 03:51	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005 01:44	[REDACTED]	5
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 00:56	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/20/2005 16:19	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101695

**Lancaster Laboratories Sample No. WW 4584290**
**05-MET-023 Grab Water Sample**
**N(0-10)**
**Former Metro Container Investigation**

Collected: 08/15/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:26

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT23

07582	PPL Volatiles	SW-846 8260B	1	08/20/2005 00:39	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/16/2005 21:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/20/2005 00:39	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/17/2005 11:30	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584290  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09355.i/05aug19a.b/yg19s23.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/20/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101697



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4584291

05-MET-023 Filtered Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/15/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:27

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	6.5 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
00259	Mercury	SW-846 7470A	1	08/19/2005	08:58	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/18/2005	03:56	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005	03:56	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005	03:56	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005	03:56	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005	03:56	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005	03:56	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005	03:56	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005	03:56	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005	03:56	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005	03:56	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005	03:56	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005	01:49	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005	15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005	19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101698

Lancaster Laboratories Sample No. WW 4584292

05-MET-062 Grab Water Sample

N(0-7)

Former Metro Container Investigation

Collected: 08/15/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:27

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT62

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	10.2	1.2	4.0	ug/l	20
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	345.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	12.0 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	159.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	1.2 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	9.3	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	234.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	301.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	438.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	4,370.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	9,600.	450.	1,500.	ug/l	50
The pH of this container was adjusted to <2 after receipt.							
08255	Total Cyanide	57-12-5	7.6 J	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	2.0	10.	ug/l	100
01601	Beta BHC	319-85-7	N.D.	12.	40.	ug/l	100
01602	Gamma BHC - Lindane	58-89-9	N.D.	2.0	10.	ug/l	100
01603	Delta BHC	319-86-8	N.D.	3.8	10.	ug/l	100
01604	Heptachlor	76-44-8	N.D.	2.0	10.	ug/l	100
01605	Aldrin	309-00-2	N.D.	5.0	20.	ug/l	100
01606	Heptachlor Epoxide	1024-57-3	N.D.	2.0	10.	ug/l	100
01607	p,p-DDE	72-55-9	N.D.	4.0	20.	ug/l	100
01608	p,p-DDD	72-54-8	N.D.	6.0	20.	ug/l	100
01609	p,p-DDT	50-29-3	N.D.	6.0	20.	ug/l	100
01610	Dieldrin	60-57-1	N.D.	10.	30.	ug/l	100
01611	Endrin	72-20-8	N.D.	20.	20.	ug/l	100
01612	Chlordane	57-74-9	N.D.	70.	500.	ug/l	100
01613	Toxaphene	8001-35-2	N.D.	300.	1,000.	ug/l	100
01615	Endosulfan II	33213-65-9	N.D.	4.0	20.	ug/l	100
01616	Endosulfan I	959-98-8	N.D.	2.0	10.	ug/l	100
01617	Endosulfan Sulfate	1031-07-8	N.D.	6.0	20.	ug/l	100
01618	Endrin Aldehyde	7421-93-4	N.D.	100.	100.	ug/l	100
01619	PCB-1016	12674-11-2	N.D.	100.	500.	ug/l	100
01620	PCB-1221	11104-28-2	N.D.	110.	500.	ug/l	100
01621	PCB-1232	11141-16-5	N.D.	100.	500.	ug/l	100

\*=This limit was used in the evaluation of the final result

AR101699

Lancaster Laboratories Sample No. WW 4584292

05-MET-062 Grab Water Sample

N(0-7)

Former Metro Container Investigation

Collected: 08/15/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:27

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT62

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01622	PCB-1242	53469-21-9	N.D.	100.	500.	ug/l	100
01623	PCB-1248	12672-29-6	N.D.	100.	500.	ug/l	100
01624	PCB-1254	11097-69-1	N.D.	140.	500.	ug/l	100
01626	PCB-1260	11096-82-5	2,500.	100.	500.	ug/l	100
01860	Methoxychlor	72-43-5	N.D.	30.	100.	ug/l	100
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for endrin and endrin aldehyde. Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
The surrogate for the method blank and the LCS are outside the QC limits. Since the recoveries are out of specification high and there are no analytes of interest in this sample, this data is reported.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	100.	500.	ug/l	10
02752	1-Methylnaphthalene	90-12-0	910.	100.	500.	ug/l	10
03924	2-Chlorophenol	95-57-8	N.D.	100.	500.	ug/l	10
03925	Phenol	108-95-2	3,800.	100.	500.	ug/l	10
03926	2-Nitrophenol	88-75-5	N.D.	100.	500.	ug/l	10
03927	2,4-Dimethylphenol	105-67-9	680.	J 300.	1,000.	ug/l	10
03928	2,4-Dichlorophenol	120-83-2	N.D.	100.	500.	ug/l	10
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	100.	500.	ug/l	10
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	100.	500.	ug/l	10
03931	2,4-Dinitrophenol	51-28-5	N.D.	2,000.	6,000.	ug/l	10
03932	4-Nitrophenol	100-02-7	N.D.	1,000.	3,000.	ug/l	10
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	500.	1,500.	ug/l	10
03934	Pentachlorophenol	87-86-5	N.D.	300.	1,500.	ug/l	10
03935	N-Nitrosodimethylamine	62-75-9	N.D.	200.	500.	ug/l	10
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	100.	500.	ug/l	10
03937	1,3-Dichlorobenzene	541-73-1	N.D.	100.	500.	ug/l	10
03938	1,4-Dichlorobenzene	106-46-7	160.	J 100.	500.	ug/l	10
03939	1,2-Dichlorobenzene	95-50-1	1,300.	100.	500.	ug/l	10
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	100.	500.	ug/l	10
03941	Hexachloroethane	67-72-1	N.D.	100.	500.	ug/l	10
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	100.	500.	ug/l	10
03943	Nitrobenzene	98-95-3	N.D.	100.	500.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR101700

Lancaster Laboratories Sample No. WW 4584292

05-MET-062 Grab Water Sample

N(0-7)

Former Metro Container Investigation

Collected: 08/15/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:27

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT62

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03944	Isophorone	78-59-1	530.	100.	500.	ug/l	10
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	100.	500.	ug/l	10
03946	1,2,4-Trichlorobenzene	120-82-1	910.	100.	500.	ug/l	10
03947	Naphthalene	91-20-3	3,600.	100.	500.	ug/l	10
03948	Hexachlorobutadiene	87-68-3	N.D.	100.	500.	ug/l	10
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	500.	1,500.	ug/l	10
03950	2-Chloronaphthalene	91-58-7	N.D.	100.	500.	ug/l	10
03951	Acenaphthylene	208-96-8	N.D.	100.	500.	ug/l	10
03952	Dimethylphthalate	131-11-3	N.D.	200.	500.	ug/l	10
03953	2,6-Dinitrotoluene	606-20-2	N.D.	100.	500.	ug/l	10
03954	Acenaphthene	83-32-9	190. J	100.	500.	ug/l	10
03955	2,4-Dinitrotoluene	121-14-2	N.D.	100.	500.	ug/l	10
03956	Fluorene	86-73-7	330. J	100.	500.	ug/l	10
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	100.	500.	ug/l	10
03958	Diethylphthalate	84-66-2	N.D.	200.	500.	ug/l	10
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	100.	500.	ug/l	10
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	200.	500.	ug/l	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	100.	500.	ug/l	10
03962	Hexachlorobenzene	118-74-1	N.D.	100.	500.	ug/l	10
03963	Phenanthrene	85-01-8	1,100.	100.	500.	ug/l	10
03964	Anthracene	120-12-7	320. J	100.	500.	ug/l	10
03965	Di-n-butylphthalate	84-74-2	N.D.	200.	500.	ug/l	10
03966	Fluoranthene	206-44-0	550.	100.	500.	ug/l	10
03967	Pyrene	129-00-0	740.	100.	500.	ug/l	10
03968	Benzidine	92-87-5	N.D.	2,000.	6,000.	ug/l	10
03969	Butylbenzylphthalate	85-68-7	N.D.	200.	500.	ug/l	10
03970	Benzo(a)anthracene	56-55-3	280. J	100.	500.	ug/l	10
03971	Chrysene	218-01-9	380. J	100.	500.	ug/l	10
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	200.	500.	ug/l	10
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	200.	500.	ug/l	10
03974	Di-n-octylphthalate	117-84-0	N.D.	200.	500.	ug/l	10
03975	Benzo(b)fluoranthene	205-99-2	170. J	100.	500.	ug/l	10
03976	Benzo(k)fluoranthene	207-08-9	N.D.	100.	500.	ug/l	10
03977	Benzo(a)pyrene	50-32-8	120. J	100.	500.	ug/l	10
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	100.	500.	ug/l	10
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	100.	500.	ug/l	10
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	100.	500.	ug/l	10

Due to sample matrix interferences observed during the extraction, the

\*=This limit was used in the evaluation of the final result

AR101701



Lancaster Laboratories Sample No. WW 4584292

05-MET-062 Grab Water Sample  
N(0-7)  
Former Metro Container Investigation

Collected: 08/15/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:27

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT62

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
normal reporting limits could not be obtained.							
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1.	13.	ug/l	2.5
02015	t-Butyl alcohol	75-65-0	N.D.	25.	200.	ug/l	2.5
05385	Chloromethane	74-87-3	N.D.	3.	13.	ug/l	2.5
05386	Vinyl Chloride	75-01-4	19.	3.	13.	ug/l	2.5
05387	Bromomethane	74-83-9	N.D.	3.	13.	ug/l	2.5
05388	Chloroethane	75-00-3	N.D.	3.	13.	ug/l	2.5
05389	Trichlorofluoromethane	75-69-4	N.D.	5.	13.	ug/l	2.5
05390	1,1-Dichloroethene	75-35-4	11. J	2.	13.	ug/l	2.5
05391	Methylene Chloride	75-09-2	N.D.	5.	13.	ug/l	2.5
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	2.	13.	ug/l	2.5
05393	1,1-Dichloroethane	75-34-3	19.	3.	13.	ug/l	2.5
05395	cis-1,2-Dichloroethene	156-59-2	200.	2.	13.	ug/l	2.5
05396	Chloroform	67-66-3	N.D.	2.	13.	ug/l	2.5
05398	1,1,1-Trichloroethane	71-55-6	7. J	2.	13.	ug/l	2.5
05399	Carbon Tetrachloride	56-23-5	N.D.	3.	13.	ug/l	2.5
05401	Benzene	71-43-2	51.	1.	13.	ug/l	2.5
05402	1,2-Dichloroethane	107-06-2	N.D.	3.	13.	ug/l	2.5
05403	Trichloroethene	79-01-6	340.	3.	13.	ug/l	2.5
05404	1,2-Dichloropropane	78-87-5	N.D.	3.	13.	ug/l	2.5
05406	Bromodichloromethane	75-27-4	N.D.	3.	13.	ug/l	2.5
05407	Toluene	108-88-3	3,800.	18.	130.	ug/l	25
05408	1,1,2-Trichloroethane	79-00-5	N.D.	2.	13.	ug/l	2.5
05409	Tetrachloroethene	127-18-4	140.	2.	13.	ug/l	2.5
05411	Dibromochloromethane	124-48-1	N.D.	3.	13.	ug/l	2.5
05413	Chlorobenzene	108-90-7	24.	2.	13.	ug/l	2.5
05415	Ethylbenzene	100-41-4	680.	20.	130.	ug/l	25
05419	Bromoform	75-25-2	N.D.	3.	13.	ug/l	2.5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	3.	13.	ug/l	2.5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	3.	13.	ug/l	2.5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	3.	13.	ug/l	2.5
06310	Xylene (Total)	1330-20-7	3,000.	20.	130.	ug/l	25
06875	Acrylonitrile	107-13-1	N.D.	10.	50.	ug/l	2.5
06888	Acrolein	107-02-8	N.D.	100.	250.	ug/l	2.5

\*=This limit was used in the evaluation of the final result

AR101702

Lancaster Laboratories Sample No. WW 4584292

05-MET-062 Grab Water Sample

N(0-7)

Former Metro Container Investigation

Collected: 08/15/2005 14:30

by

Account Number: 11549

Submitted: 08/15/2005 18:00

Montgomery Watson Harza

Reported: 10/04/2005 at 16:27

P.O. Box 7009

Discard: 11/04/2005

Pasadena CA 91109-7009

WMT62

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	5.	25.	ug/l	2.5
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample. The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	2	08/19/2005 09:00		20
07022	Thallium	SW-846 6010B	2	08/18/2005 04:06		1
07035	Arsenic	SW-846 6010B	2	08/18/2005 04:06		1
07036	Selenium	SW-846 6010B	2	08/18/2005 04:06		1
07044	Antimony	SW-846 6010B	2	08/18/2005 04:06		1
07047	Beryllium	SW-846 6010B	2	08/18/2005 04:06		1
07049	Cadmium	SW-846 6010B	2	08/18/2005 04:06		1
07051	Chromium	SW-846 6010B	2	08/18/2005 04:06		1
07053	Copper	SW-846 6010B	2	08/18/2005 04:06		1
07055	Lead	SW-846 6010B	1	08/18/2005 04:01		1
07061	Nickel	SW-846 6010B	2	08/18/2005 04:06		1
07066	Silver	SW-846 6010B	2	08/18/2005 04:06		1
07072	Zinc	SW-846 6010B	2	08/18/2005 04:06		1

\*=This limit was used in the evaluation of the final result

AR101703

Lancaster Laboratories Sample No. WW 4584292

05-MET-062 Grab Water Sample

N(0-7)

Former Metro Container Investigation

Collected: 08/15/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:27

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT62

02393	Phenols	SW-846 9066	1	08/23/2005 11:50	[REDACTED]	50
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:25	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 10:13	[REDACTED]	100
07879	EDB	SW-846 8011	1	08/20/2005 16:49	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 17:44	[REDACTED]	10
07582	PPL Volatiles	SW-846 8260B	1	08/22/2005 18:25	[REDACTED]	2.5
07582	PPL Volatiles	SW-846 8260B	1	08/22/2005 18:49	[REDACTED]	25
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 17:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/16/2005 21:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/22/2005 18:25	[REDACTED]	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	08/22/2005 18:49	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/17/2005 11:30	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584292  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09355.i/05aug22a.b/yg22s20.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/22/05  
Column: (pack/cap) CAP Dilution Factor: 2.5  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108-10-1	Methyl Isobutyl Ketone	9.90	55	J
2.	Unknown ketone	12.06	100	J
3.	Unknown aromatic	12.67	200	J
4.	Unknown aromatic	12.73	76	J
5.	Unknown aromatic	12.89	77	J
6.	Unknown aromatic	13.02	320	J
7.	Unknown aromatic	13.33	160	J
8.	Unknown alkane	13.38	520	J
9.	Unknown aromatic	13.49	98	J
10.	Unknown aromatic	13.58	74	J
11.	Unknown aromatic	13.72	93	J
12.	Unknown aromatic	14.15	57	J
13.	Unknown aromatic	14.40	88	J
14.	Unknown aromatic	14.61	58	J
15. 91-20-3	Naphthalene	14.84	170	J
16.				
17.				
18.				
19.				
20.				
21.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101705

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584292  
Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0577.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Benzene, 1-ethyl-2-methyl-	3.464	9500	JX
2.	Benzene, 1,3,5-trimethyl-	3.704	11000	JX
3.	Unknown Alkane	4.366	10000	J
4.	Unknown Carboxylic Acid	8.095	39000	J
5.	Unknown Carboxylic Acid	8.667	19000	J
6.	1,1'-Biphenyl, 2,2',4,4',6,6'	9.052	3600	JX
7.	1,1'-Biphenyl, 3,3',4,4',5,5'	9.207	6500	JX
8.	1,1'-Biphenyl, 2,2',3,4,4',5'	9.292	2700	JX
9.	Unknown	9.345	5000	J
10.	1,1'-Biphenyl, 2,2',3,3',6,6'	9.383	2900	JX
11.	Unknown Alkane	9.420	2600	J
12.	1,1'-Biphenyl, 2,2',3,3',4,6'	9.468	4700	JX
13.	1,1'-Biphenyl, 2,3,3',4,5,5'	9.500	2900	JX
14.	1,1'-Biphenyl, 2,3,3',4,4',5'	9.618	4500	JX
15.	1,1'-Biphenyl, 2,2',3,3',4,4'	9.650	2200	JX
16.	Unknown Alkane	9.698	2800	J
17.	1,1'-Biphenyl, 2,2',3,3',4,4'	9.799	9400	JX
18.	1,1'-Biphenyl, 2,2',3,3',5,5'	9.976	3900	JX
19.	1,1'-Biphenyl, 2,2',3,3',4,4'	10.013	2700	JX
20.	1,1'-Biphenyl, 2,2',3,3',4,4'	10.056	4700	JX
21.	Unknown	10.238	3200	J
22.	Unknown Alkane	10.318	2500	J
23.	1,1'-Biphenyl, 2,2',3,3',4,4'	10.371	3000	JX
24.	Unknown Alkane	10.499	2500	J
25.	Unknown	12.342	2400	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101706



# Analysis Report

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Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4584293

05-MET-062 Filtered Grab Water Sample  
N(0-7)  
Former Metro Container Investigation

Collected: 08/15/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:27

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	1.2	4.0	ug/l	20
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	315.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	9.5 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	125.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	15.2	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	246.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	40.1	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	3	08/19/2005 08:59	[REDACTED]	20
07022	Thallium	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
07047	Beryllium	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
07049	Cadmium	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
07055	Lead	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/18/2005 04:01	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101707



# ***Analysis Report***

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2  
REVISED

**Lancaster Laboratories Sample No. WW 4584293**

**05-MET-062 Filtered Grab Water Sample  
N(0-7)  
Former Metro Container Investigation**

Collected: 08/15/2005 14:30 by ■

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:27  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

\*=This limit was used in the evaluation of the final result

AR101708

Lancaster Laboratories Sample No. WW 4584294

05-MET-065 Grab Water Sample

N(0-17)

Former Metro Container Investigation

Collected: 08/15/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:28

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT65

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	1.2 J	1.2	4.0	ug/l	20
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	19.5 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	53.5	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	8.0	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	4.9	25.0	ug/l	5
	The quantitation limit for cadmium was increased due to the nature of the sample matrix.						
07051	Chromium	7440-47-3	320.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	27.7	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	71.0	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	283.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	5,970.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	31.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.40	2.0	ug/l	20
01601	Beta BHC	319-85-7	N.D.	2.4	8.0	ug/l	20
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.40	2.0	ug/l	20
01603	Delta BHC	319-86-8	N.D.	0.76	2.0	ug/l	20
01604	Heptachlor	76-44-8	N.D.	0.40	2.0	ug/l	20
01605	Aldrin	309-00-2	N.D.	1.0	4.0	ug/l	20
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.40	2.0	ug/l	20
01607	p,p-DDE	72-55-9	N.D.	0.80	4.0	ug/l	20
01608	p,p-DDD	72-54-8	N.D.	1.2	4.0	ug/l	20
01609	p,p-DDT	50-29-3	N.D.	1.2	4.0	ug/l	20
01610	Dieldrin	60-57-1	N.D.	2.0	6.0	ug/l	20
01611	Endrin	72-20-8	N.D.	0.80	4.0	ug/l	20
01612	Chlordane	57-74-9	N.D.	14.	100.	ug/l	20
01613	Toxaphene	8001-35-2	N.D.	60.	200.	ug/l	20
01615	Endosulfan II	33213-65-9	N.D.	0.80	4.0	ug/l	20
01616	Endosulfan I	959-98-8	N.D.	0.40	2.0	ug/l	20
01617	Endosulfan Sulfate	1031-07-8	N.D.	1.2	4.0	ug/l	20
01618	Endrin Aldehyde	7421-93-4	N.D.	4.6	20.	ug/l	20

\*=This limit was used in the evaluation of the final result

AR101709



Lancaster Laboratories Sample No. WW 4584294

05-MET-065 Grab Water Sample  
N(0-17)  
Former Metro Container Investigation

Collected: 08/15/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Montgomery Watson Harza

Reported: 10/04/2005 at 16:28

P.O. Box 7009

Discard: 11/04/2005

Pasadena CA 91109-7009

WMT65

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	20.	100.	ug/l	20
01620	PCB-1221	11104-28-2	N.D.	22.	100.	ug/l	20
01621	PCB-1232	11141-16-5	N.D.	20.	100.	ug/l	20
01622	PCB-1242	53469-21-9	N.D.	20.	100.	ug/l	20
01623	PCB-1248	12672-29-6	N.D.	20.	100.	ug/l	20
01624	PCB-1254	11097-69-1	N.D.	28.	100.	ug/l	20
01626	PCB-1260	11096-82-5	28. J	20.	100.	ug/l	20
01860	Methoxychlor	72-43-5	N.D.	6.0	20.	ug/l	20

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0098	0.029	ug/l	1
The surrogate for the method blank and the LCS are outside the QC limits. Since the recoveries are out of specification high and there are no analytes of interest in this sample, this data is reported.							

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	40. J	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101710

Lancaster Laboratories Sample No. WW 4584294

05-MET-065 Grab Water Sample

N(0-17)

Former Metro Container Investigation

Collected: 08/15/2005 15:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:28

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT65

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	18. J	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	14. J	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	12. J	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	69.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	32. J	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	15. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	98.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	97.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	120.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	27. J	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	50. J	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	11. J	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101711

Lancaster Laboratories Sample No. WW 4584294

05-MET-065 Grab Water Sample

N(0-17)

Former Metro Container Investigation

Collected: 08/15/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:28

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT65

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
03979	Dibenz(a,h)anthracene	53-70-3	23. J	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	21. J	10.	50.	ug/l	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	2. J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	2. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	3. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	10.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	23.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101712

Lancaster Laboratories Sample No. WW 4584294

05-MET-065 Grab Water Sample  
N(0-17)  
Former Metro Container Investigation

Collected: 08/15/2005 15:00 by [REDACTED] Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:28  
Discard: 11/04/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMT65

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	2	08/19/2005 09:02	[REDACTED]	20
07022	Thallium	SW-846 6010B	1	08/18/2005 04:12	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 04:12	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 04:12	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 04:12	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 04:12	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 01:54	[REDACTED]	5
07051	Chromium	SW-846 6010B	1	08/18/2005 04:12	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 04:12	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 04:12	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 04:12	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 04:12	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/18/2005 04:12	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/23/2005 11:52	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:26	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 10:34	[REDACTED]	20
07879	EDB	SW-846 8011	1	08/20/2005 17:19	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101713

Lancaster Laboratories Sample No. WW 4584294

05-MET-065 Grab Water Sample

N(0-17)

Former Metro Container Investigation

Collected: 08/15/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:28

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT65

04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 18:05	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/22/2005 17:39	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 17:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/16/2005 21:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/22/2005 17:39	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:47	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/17/2005 11:30	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584294  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09355.i/05aug22a.b/yg22s18.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/22/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108-87-2	Cyclohexane, methyl-	8.85	9	J
2.	Unknown aromatic	12.69	19	J
3.	Unknown aromatic	12.90	15	J
4.	Unknown aromatic	13.02	25	J
5.	Unknown aromatic	13.33	15	J
6.	Unknown aromatic	13.49	40	J
7.	Unknown aromatic	13.71	10	J
8.	Unknown aromatic	13.78	12	J
9.	Unknown aromatic	13.88	20	J
10.	Unknown aromatic	14.29	20	J
11.	Unknown aromatic	14.40	53	J
12.	Unknown aromatic	14.61	11	J
13.	Unknown aromatic	14.71	17	J
14.	Unknown aromatic	15.21	9	J
15.	Unknown aromatic	15.81	15	J
16.				
17.				
18.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101715

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584294  
Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0578.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	5.446	550	J
2.	!Unknown Alkane	7.160	480	J
3.	!Unknown Alkane	7.529	380	J
4.	!Unknown Alkane	7.882	600	J
5.	!Unknown	8.015	280	J
6.	!Unknown Alkane	8.218	570	J
7.	!Unknown Alkane	8.341	280	J
8.	!Unknown	8.448	420	J
9.	!Unknown Alkane	8.849	550	J
10.	!Unknown Alkane	9.142	530	J
11.	!Unknown Alkane	9.426	630	J
12.	!Unknown Alkane	9.522	430	J
13.	!Unknown Alkane	9.698	640	J
14.	!Unknown Alkane	9.789	320	J
15.	!Unknown	9.869	280	J
16.	!Unknown Alkane	9.970	680	J
17.	!Unknown Alkane	10.056	750	J
18.	!Unknown	10.104	540	J
19.	!Unknown Alkane	10.168	350	J
20.	!Unknown Alkane	10.238	600	J
21.	!Unknown	10.323	760	J
22.	!Unknown	10.409	380	J
23.	!Unknown Alkane	10.499	530	J
24.	!Unknown Alkane	10.756	480	J
25.	!Unknown Alkane	11.012	330	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101716



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4584295

05-MET-065 Filtered Grab Water Sample  
N(0-17)  
Former Metro Container Investigation

Collected: 08/15/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:28  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	6.4 J		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/19/2005 09:03	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 13:56	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 17:29	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 17:29	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 17:29	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 17:29	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 17:29	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 17:29	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 17:29	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 17:29	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 17:29	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 17:29	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/22/2005 19:57	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:35	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101717



Lancaster Laboratories Sample No. WW 4584296

**EB081505W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/15/2005 15:10

by ■

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:28

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

815EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0020	0.0098	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.039	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0020	0.0098	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0098	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0020	0.0098	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0049	0.020	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0020	0.0098	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0039	0.020	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0059	0.020	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0059	0.020	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0098	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0039	0.020	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.068	0.49	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.98	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0039	0.020	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0020	0.0098	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0059	0.020	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.098	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.098	0.49	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.49	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.098	0.49	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.098	0.49	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101718

Lancaster Laboratories Sample No. WW 4584296

**EB081505W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/15/2005 15:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:28

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

815EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.098	0.49	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.14	0.49	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.098	0.49	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.098	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
	The surrogate for the method blank and the LCS are outside the QC limits. Since the recoveries are out of specification high and there are no analytes of interest in this sample, this data is reported.						
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101719

Lancaster Laboratories Sample No. WW 4584296

**EB081505W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/15/2005 15:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:28

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

815EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101720

Lancaster Laboratories Sample No. WW 4584296

**EB081505W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/15/2005 15:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:28

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

815EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached

\*=This limit was used in the evaluation of the final result

AR101721

Lancaster Laboratories Sample No. WW 4584296

**EB081505W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/15/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:28

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

815EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.							

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/19/2005 09:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07022	Thallium	SW-846 6010B	1	08/19/2005 14:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 17:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/18/2005 17:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/18/2005 17:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 17:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 17:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/18/2005 17:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/18/2005 17:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/18/2005 17:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/18/2005 17:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/18/2005 17:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/22/2005 20:01	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/23/2005 11:53	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:27	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/18/2005 02:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07879	EDB	SW-846 8011	1	08/20/2005 17:49	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/17/2005 18:26	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07582	PPL Volatiles	SW-846 8260B	1	08/22/2005 17:16	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/16/2005 17:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/16/2005 21:35	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/22/2005 17:16	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 15:35	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	2	08/18/2005 19:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07786	EDB Extraction	SW-846 8011	1	08/17/2005 11:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/20/2005 03:15	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR101722

**Lancaster Laboratories Sample No. WW 4584296**

**EB081505W Equipment Blank Grab Water Sample**

**EB**

**Former Metro Container Investigation**

Collected: 08/15/2005 15:10

by



Account Number: 11549

Submitted: 08/15/2005 18:00

Reported: 10/04/2005 at 16:28

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

815EB

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584296  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09355.i/05aug22a.b/yg22s17.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/22/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101724

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 815EB  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) WATER Lab Sample ID: 4584296  
Sample wt/vol: 1048 (g/mL) mL Lab File ID: eh0579.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/16/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/17/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 11 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	10.670	5	J
2.	!Unknown	10.756	4	J
3.	!Unknown	10.953	4	J
4.	!Unknown	11.017	7	J
5.	!Unknown	11.087	6	J
6.	!Unknown	11.167	5	J
7.	!Unknown	11.210	8	J
8.	!Unknown	11.252	5	J
9.	!Unknown	11.295	4	J
10.	!Unknown	11.498	5	J
11.	!Unknown	11.562	4	J
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101725



Lancaster Laboratories Sample No. WW 4584297

**TB081505W Trip Blank Water Sample**  
**TB**  
**Former Metro Container Investigation**

Collected: 08/15/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:29  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

815TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
	The surrogate for the method blank and the LCS are outside the QC limits. Since the recoveries are out of specification high and there are no analytes of interest in this sample, this data is reported.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101726

Lancaster Laboratories Sample No. WW 4584297

TB081505W Trip Blank Water Sample  
TB  
Former Metro Container Investigation

Collected: 08/15/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/15/2005 18:00  
Reported: 10/04/2005 at 16:29  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

815TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/20/2005 18:19	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 10:49	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 10:49	[REDACTED]	n.a.
07786	EDB Extraction	SW-846 8011	1	08/17/2005 11:30	[REDACTED]	1

\* = This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4584297  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug23a.b/ng23sb3.d  
Level: (low/med) LOW Date Received: 08/15/05  
% Moisture: not dec. Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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page 1 of 1

FORM I VOA-TIC

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052280003A	Sample number(s): 4584278, 4584280, 4584282, 4584284, 4584286, 4584288, 4584290, 4584292, 4584294, 4584296								
Alpha BHC	N.D.	0.0020	0.010	ug/l	100	100	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	120	120	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	100	100	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	87	88	41-155	1	20
Heptachlor	N.D.	0.0020	0.010	ug/l	120	110	45-130	9	20
Aldrin	N.D.	0.0052	0.020	ug/l	83	79	47-122	5	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	100	100	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	105	105	44-154	0	20
p,p-DDD	N.D.	0.0061	0.020	ug/l	110	114	42-155	4	20
p,p-DDT	N.D.	0.0040	0.020	ug/l	100	100	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	100	100	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	80	80	62-135	0	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	100	100	66-131	0	20
Endosulfan Sulfate	N.D.	0.0062	0.020	ug/l	95	95	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	105	105	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	110	110	49-155	0	20
Batch number: 052280013A	Sample number(s): 4584278, 4584280, 4584282, 4584284, 4584286, 4584288, 4584290, 4584292, 4584294, 4584296-4584297								
Ethylene dibromide	N.D.	0.010	0.030	ug/l	104	92	60-140	13	20
Batch number: 05228WAE026	Sample number(s): 4584278, 4584280, 4584282, 4584284, 4584286, 4584288, 4584292, 4584294, 4584296								
1,4-Dioxane	N.D.	1.	5.	ug/l	55	55	43-73	1	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	101	104	65-107	2	30
2-Chlorophenol	N.D.	1.	5.	ug/l	93	95	63-112	3	30
Phenol	N.D.	1.	5.	ug/l	46	47	29-57	1	30
2-Nitrophenol	N.D.	1.	5.	ug/l	101	106	83-119	5	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	92	93	60-107	2	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	97	99	66-110	2	30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	98	103	48-114	5	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	99	96	69-111	3	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	63	68	44-130	8	30
4-Nitrophenol	N.D.	10.	30.	ug/l	37	43	16-75	15	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	78	81	56-130	3	30
Pentachlorophenol	N.D.	3.	15.	ug/l	88	92	48-108	5	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	66	64	39-84	4	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	90	93	57-110	3	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	88	90	52-102	1	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	93	91	54-103	3	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	88	86	58-99	2	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	113	112	68-133	1	30
Hexachloroethane	N.D.	1.	5.	ug/l	86	86	33-106	1	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	96	92	56-109	3	30
Nitrobenzene	N.D.	1.	5.	ug/l	94	94	61-111	1	30
Isophorone	N.D.	1.	5.	ug/l	89	92	63-105	3	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	100	101	69-119	1	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	92	89	62-101	3	30
Naphthalene	N.D.	1.	5.	ug/l	94	95	70-102	1	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	89	90	33-118	1	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	77	79	14-169	2	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	75	71	56-100	6	30
Acenaphthylene	N.D.	1.	5.	ug/l	114	110	65-120	4	30
Dimethylphthalate	N.D.	2.	5.	ug/l	92	92	46-109	0	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	98	97	70-108	1	30
Acenaphthene	N.D.	1.	5.	ug/l	102	97	68-111	5	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	99	98	75-122	2	30
Fluorene	N.D.	1.	5.	ug/l	99	94	61-116	5	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	100	95	65-110	5	30
Diethylphthalate	N.D.	2.	5.	ug/l	98	93	61-110	4	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	91	90	62-106	2	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	98	95	63-104	3	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	91	90	67-110	2	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	97	94	68-113	2	30
Phenanthrene	N.D.	1.	5.	ug/l	98	96	68-111	3	30
Anthracene	N.D.	1.	5.	ug/l	99	96	68-108	3	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	97	94	63-113	3	30
Fluoranthene	N.D.	1.	5.	ug/l	95	95	66-108	1	30
Pyrene	N.D.	1.	5.	ug/l	100	98	68-114	2	30
Benzidine	N.D.	20.	60.	ug/l	100	100	20-134	0	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	95	94	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	94	97	72-112	2	30
Chrysene	N.D.	1.	5.	ug/l	96	98	70-111	3	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	90	90	39-116	0	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	97	94	62-126	3	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	102	102	58-118	0	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	108	103	67-117	5	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	97	101	67-120	4	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	105	104	68-121	0	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	102	98	67-122	4	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	103	102	71-129	2	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	99	98	67-121	1	30

Batch number: 052291848002  
Thallium

Sample number(s): 4584278-4584294  
N.D. 0.0100 0.0200 mg/l

99 92-107

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Arsenic	N.D.	0.0093	0.0200	mg/l	104		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	100		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	102		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	100		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	102		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	98		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	102		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	102		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	101		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	109		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	100		90-112		
Batch number: 052291848004	Sample number(s): 4584295-4584296								
Thallium	N.D.	0.0100	0.0200	mg/l	100		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	107		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	101		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	105		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	103		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	105		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	104		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	107		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	110		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	106		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	105		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	107		90-112		
Batch number: 05230117101A	Sample number(s): 4584278,4584280,4584282								
Total Cyanide	N.D.	0.0050	0.010	mg/l	97		90-110		
Batch number: 05230117101B	Sample number(s): 4584286,4584288,4584292,4584294,4584296								
Total Cyanide	N.D.	0.0050	0.010	mg/l	97		90-110		
Batch number: 052305713005	Sample number(s): 4584278-4584296								
Mercury	N.D.	0.00006	0.00020	mg/l	108		80-120		
Batch number: 05232120101A	Sample number(s): 4584278,4584280,4584282,4584286,4584292,4584294								
Phenols	N.D.	0.0090	0.030	mg/l	96		83-108		
Batch number: 05232120102A	Sample number(s): 4584296								
Phenols	N.D.	0.0090	0.030	mg/l	101	99	83-108	2	20
Batch number: L052351AC	Sample number(s): 4584282,4584284								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	96		77-127		
t-Butyl alcohol	N.D.	10.	80.	ug/l	91		57-141		
Chloromethane	N.D.	1.	5.	ug/l	99		59-177		
Vinyl Chloride	N.D.	1.	5.	ug/l	98		71-134		
Bromomethane	N.D.	1.	5.	ug/l	92		62-131		
Chloroethane	N.D.	1.	5.	ug/l	89		67-127		
Trichlorofluoromethane	N.D.	2.	5.	ug/l	103		70-148		
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	91		79-130		
Methylene Chloride	N.D.	2.	5.	ug/l	96		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	94		81-124		
1,1-Dichloroethane	N.D.	1.	5.	ug/l	97		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	98		84-117		

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloroform	N.D.	0.8	5.	ug/l	100		86-124		
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	95		83-127		
Carbon Tetrachloride	N.D.	1.	5.	ug/l	94		77-130		
Benzene	N.D.	0.5	5.	ug/l	99		85-117		
1,2-Dichloroethane	N.D.	1.	5.	ug/l	103		77-132		
Trichloroethene	N.D.	1.	5.	ug/l	96		87-117		
1,2-Dichloropropane	N.D.	1.	5.	ug/l	100		80-117		
Bromodichloromethane	N.D.	1.	5.	ug/l	96		83-121		
Toluene	N.D.	0.7	5.	ug/l	102		85-115		
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	101		86-113		
Tetrachloroethene	N.D.	0.8	5.	ug/l	98		74-125		
Dibromochloromethane	N.D.	1.	5.	ug/l	98		78-119		
Chlorobenzene	N.D.	0.8	5.	ug/l	100		85-115		
Ethylbenzene	N.D.	0.8	5.	ug/l	102		82-119		
Bromoform	N.D.	1.	5.	ug/l	93		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	95		72-119		
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	101		79-114		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	97		78-114		
Xylene (Total)	N.D.	0.8	5.	ug/l	104		83-113		
Acrylonitrile	N.D.	4.	20.	ug/l	100		55-137		
Acrolein	N.D.	40.	100.	ug/l	58		28-146		
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	95		53-133		
Batch number: N052351AA Sample number(s): 4584297									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	105	103	77-127	2	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	110	94	57-141	16	30
Chloromethane	N.D.	1.	5.	ug/l	103	99	59-177	3	30
Vinyl Chloride	N.D.	1.	5.	ug/l	108	107	71-134	1	30
Bromomethane	N.D.	1.	5.	ug/l	78	79	62-131	2	30
Chloroethane	N.D.	1.	5.	ug/l	89	86	67-127	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	119	121	70-148	2	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	108	106	79-130	2	30
Methylene Chloride	N.D.	2.	5.	ug/l	102	102	80-128	0	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	103	101	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	110	109	83-127	0	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	103	102	84-117	1	30
Chloroform	N.D.	0.8	5.	ug/l	108	106	86-124	2	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	105	104	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	104	102	77-130	1	30
Benzene	N.D.	0.5	5.	ug/l	108	106	85-117	2	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	115	113	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	105	103	87-117	2	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	112	108	80-117	3	30
Bromodichloromethane	N.D.	1.	5.	ug/l	103	101	83-121	2	30
Toluene	N.D.	0.7	5.	ug/l	107	106	85-115	2	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	108	104	86-113	4	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	96	96	74-125	1	30
Dibromochloromethane	N.D.	1.	5.	ug/l	104	99	78-119	4	30
Chlorobenzene	N.D.	0.8	5.	ug/l	105	102	85-115	2	30
Ethylbenzene	N.D.	0.8	5.	ug/l	109	106	82-119	2	30
Bromoform	N.D.	1.	5.	ug/l	88	85	69-118	4	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	110	104	72-119	6	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	104	101	79-114	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	104	103	78-114	1	30
Xylene (Total)	N.D.	0.8	5.	ug/l	106	104	83-113	3	30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acrylonitrile	N.D.	4.	20.	ug/l	108	106	55-137	2	30
Acrolein	N.D.	40.	100.	ug/l	96	98	28-146	2	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	103	108	53-133	5	30

Batch number: Y052311AA	Sample number(s): 4584278,4584280,4584286,4584288,4584290								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	104	103	77-127	1	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	96	96	57-141	0	30
Chloromethane	N.D.	1.	5.	ug/l	95	91	59-177	4	30
Vinyl Chloride	N.D.	1.	5.	ug/l	94	90	71-134	4	30
Bromomethane	N.D.	1.	5.	ug/l	103	102	62-131	0	30
Chloroethane	N.D.	1.	5.	ug/l	101	98	67-127	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	105	102	70-148	3	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	106	103	79-130	3	30
Methylene Chloride	N.D.	2.	5.	ug/l	106	103	80-128	3	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	106	103	81-124	4	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	105	104	83-127	1	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	106	103	84-117	3	30
Chloroform	N.D.	0.8	5.	ug/l	107	105	86-124	2	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	107	104	83-127	2	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	105	101	77-130	4	30
Benzene	N.D.	0.5	5.	ug/l	106	105	85-117	1	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	103	105	77-132	2	30
Trichloroethene	N.D.	1.	5.	ug/l	104	101	87-117	3	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	105	105	80-117	0	30
Bromodichloromethane	N.D.	1.	5.	ug/l	105	103	83-121	2	30
Toluene	N.D.	0.7	5.	ug/l	97	94	85-115	3	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	97	96	86-113	1	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	97	101	74-125	4	30
Dibromochloromethane	N.D.	1.	5.	ug/l	103	101	78-119	2	30
Chlorobenzene	N.D.	0.8	5.	ug/l	96	94	85-115	2	30
Ethylbenzene	N.D.	0.8	5.	ug/l	97	95	82-119	2	30
Bromoform	N.D.	1.	5.	ug/l	96	96	69-118	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	98	98	72-119	1	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	95	94	79-114	2	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	105	103	78-114	2	30
Xylene (Total)	N.D.	0.8	5.	ug/l	97	94	83-113	3	30
Acrylonitrile	N.D.	4.	20.	ug/l	101	101	55-137	0	30
Acrolein	N.D.	40.	100.	ug/l	81	80	28-146	2	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	103	104	53-133	1	30

Batch number: Y052341AA	Sample number(s): 4584292,4584294,4584296								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	99		77-127		
t-Butyl alcohol	N.D.	10.	80.	ug/l	95		57-141		
Chloromethane	N.D.	1.	5.	ug/l	88		59-177		
Vinyl Chloride	N.D.	1.	5.	ug/l	89		71-134		
Bromomethane	N.D.	1.	5.	ug/l	99		62-131		
Chloroethane	N.D.	1.	5.	ug/l	95		67-127		
Trichlorofluoromethane	N.D.	2.	5.	ug/l	93		70-148		
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	96		79-130		
Methylene Chloride	N.D.	2.	5.	ug/l	100		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	100		81-124		
1,1-Dichloroethane	N.D.	1.	5.	ug/l	98		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	100		84-117		
Chloroform	N.D.	0.8	5.	ug/l	100		86-124		
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	100		83-127		

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- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Carbon Tetrachloride	N.D.	1.	5.	ug/l	97		77-130		
Benzene	N.D.	0.5	5.	ug/l	100		85-117		
1,2-Dichloroethane	N.D.	1.	5.	ug/l	100		77-132		
Trichloroethene	N.D.	1.	5.	ug/l	97		87-117		
1,2-Dichloropropane	N.D.	1.	5.	ug/l	101		80-117		
Bromodichloromethane	N.D.	1.	5.	ug/l	99		83-121		
Toluene	N.D.	0.7	5.	ug/l	96		85-115		
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	97		86-113		
Tetrachloroethene	N.D.	0.8	5.	ug/l	93		74-125		
Dibromochloromethane	N.D.	1.	5.	ug/l	102		78-119		
Chlorobenzene	N.D.	0.8	5.	ug/l	95		85-115		
Ethylbenzene	N.D.	0.8	5.	ug/l	95		82-119		
Bromoform	N.D.	1.	5.	ug/l	96		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	99		72-119		
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	96		79-114		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	100		78-114		
Xylene (Total)	N.D.	0.8	5.	ug/l	96		83-113		
Acrylonitrile	N.D.	4.	20.	ug/l	98		55-137		
Acrolein	N.D.	40.	100.	ug/l	67		28-146		
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	102		53-133		

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052280013A	Sample number(s): 4584278, 4584280, 4584282, 4584284, 4584286, 4584288, 4584290, 4584292, 4584294, 4584296-4584297							
Ethylene dibromide	82		65-135		N.D.	N.D.	0 (1)	30
Batch number: 052291848002	Sample number(s): 4584278-4584294							
Thallium	101	100	89-112	1	20	N.D.	N.D.	102* (1) 20
Arsenic	106	103	86-119	3	20	0.010 J	N.D.	31* (1) 20
Selenium	103	100	80-120	3	20	N.D.	N.D.	49* (1) 20
Antimony	104	100	80-120	4	20	0.0089 J	0.0071 J	22* (1) 20
Beryllium	101	102	91-117	1	20	N.D.	N.D.	60* (1) 20
Cadmium	101	103	87-117	2	20	N.D.	N.D.	19 (1) 20
Chromium	100	99	86-118	2	20	N.D.	N.D.	52* (1) 20
Copper	106	103	89-119	2	20	N.D.	N.D.	53* (1) 20
Lead	105	101	87-118	5	20	N.D.	N.D.	352* (1) 20
Nickel	102	101	91-111	1	20	N.D.	N.D.	11 (1) 20
Silver	111	109	80-120	2	20	N.D.	N.D.	42* (1) 20
Zinc	101	100	80-120	1	20	0.0075 J	N.D.	103* (1) 20
Batch number: 052291848004	Sample number(s): 4584295-4584296							
Thallium	98	98	89-112	0	20	N.D.	N.D.	100* (1) 20
Arsenic	106	106	86-119	1	20	N.D.	N.D.	35* (1) 20
Selenium	95	96	75-125	0	20	N.D.	N.D.	32* (1) 20
Antimony	100	102	75-125	1	20	N.D.	N.D.	50* (1) 20
Beryllium	91	94	91-117	3	20	0.0046 J	0.0043 J	7 (1) 20
Cadmium	93	94	87-117	1	20	0.0022 J	0.0017 J	28* (1) 20

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Chromium	95	96	86-118	0	20	N.D.	N.D.	496* (1)
Copper	101	102	89-119	1	20	0.0207	0.0212	2 (1)
Lead	90	100	87-118	10	20	0.0128 J	0.0117 J	9 (1)
Nickel	96	97	91-111	1	20	0.110	0.113	3
Silver	106	106	75-125	0	20	N.D.	N.D.	16 (1)
Zinc	92	92	80-120	1	20	0.151	0.144	4
Batch number: 05230117101A	Sample number(s): 4584278,4584280,4584282							
Total Cyanide	94		82-114			0.012	0.016	30* (1)
Batch number: 05230117101B	Sample number(s): 4584286,4584288,4584292,4584294,4584296							
Total Cyanide	89		82-114			N.D.	N.D.	200* (1)
Batch number: 052305713005	Sample number(s): 4584278-4584296							
Mercury	92	90	80-120	2	20	N.D.	N.D.	20 (1)
Batch number: 05232120101A	Sample number(s): 4584278,4584280,4584282,4584286,4584292,4584294							
Phenols	93	95	80-108	2	5			
Batch number: L052351AC	Sample number(s): 4584282,4584284							
Methyl Tertiary Butyl Ether	100	101	69-134	1	30			
t-Butyl alcohol	91	91	51-147	0	30			
Chloromethane	119	119	72-208	0	30			
Vinyl Chloride	(2)	(2)	81-150	4	30			
Bromomethane	110	105	59-143	5	30			
Chloroethane	110	104	63-142	5	30			
Trichlorofluoromethane	129	127	77-177	2	30			
1,1-Dichloroethene	106	106	87-145	0	30			
Methylene Chloride	100	100	79-133	0	30			
trans-1,2-Dichloroethene	104	105	82-133	1	30			
1,1-Dichloroethane	107	110	85-135	3	30			
cis-1,2-Dichloroethene	110	110	83-126	0	30			
Chloroform	111	113	82-131	1	30			
1,1,1-Trichloroethane	108	108	81-142	0	30			
Carbon Tetrachloride	108	108	79-155	0	30			
Benzene	108	109	83-128	1	30			
1,2-Dichloroethane	108	108	73-136	0	30			
Trichloroethene	109	113	83-136	1	30			
1,2-Dichloropropane	108	109	83-129	1	30			
Bromodichloromethane	102	102	80-129	0	30			
Toluene	111	112	83-127	1	30			
1,1,2-Trichloroethane	105	106	77-125	0	30			
Tetrachloroethene	107	109	78-133	1	30			
Dibromochloromethane	102	102	73-119	0	30			
Chlorobenzene	107	107	83-120	0	30			
Ethylbenzene	117	118	82-129	1	30			
Bromoform	94	94	64-119	0	30			
1,1,2,2-Tetrachloroethane	96	96	69-121	0	30			
trans-1,3-Dichloropropene	106	107	75-117	1	30			
cis-1,3-Dichloropropene	98	99	76-117	1	30			
Xylene (Total)	113	114	82-130	1	30			
Acrylonitrile	101	100	54-132	1	30			
Acrolein	66	69	21-153	5	30			
2-Chloroethyl Vinyl Ether	0*	0*	1-172	0	30			

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	RPD	RPD
Analysis Name				MAX		Conc		Max
Batch number: N052351AA	Sample number(s): 4584297							
Methyl Tertiary Butyl Ether	108		69-134					
t-Butyl alcohol	108		51-147					
Chloromethane	153		72-208					
Vinyl Chloride	130		81-150					
Bromomethane	102		59-143					
Chloroethane	107		63-142					
Trichlorofluoromethane	142		77-177					
1,1-Dichloroethene	120		87-145					
Methylene Chloride	105		79-133					
trans-1,2-Dichloroethene	111		82-133					
1,1-Dichloroethane	117		85-135					
cis-1,2-Dichloroethene	111		83-126					
Chloroform	115		82-131					
1,1,1-Trichloroethane	116		81-142					
Carbon Tetrachloride	114		79-155					
Benzene	116		83-128					
1,2-Dichloroethane	118		73-136					
Trichloroethene	112		83-136					
1,2-Dichloropropane	115		83-129					
Bromodichloromethane	106		80-129					
Toluene	114		83-127					
1,1,2-Trichloroethane	108		77-125					
Tetrachloroethene	104		78-133					
Dibromochloromethane	103		73-119					
Chlorobenzene	110		83-120					
Ethylbenzene	114		82-129					
Bromoform	86		64-119					
1,1,2,2-Tetrachloroethane	106		69-121					
trans-1,3-Dichloropropene	105		75-117					
cis-1,3-Dichloropropene	108		76-117					
Xylene (Total)	111		82-130					
Acrylonitrile	108		54-132					
Acrolein	101		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					
Batch number: Y052311AA	Sample number(s): 4584278,4584280,4584286,4584288,4584290							
Methyl Tertiary Butyl Ether	103		69-134					
t-Butyl alcohol	87		51-147					
Chloromethane	105		72-208					
Vinyl Chloride	112		81-150					
Bromomethane	113		59-143					
Chloroethane	113		63-142					
Trichlorofluoromethane	121		77-177					
1,1-Dichloroethene	112		87-145					
Methylene Chloride	102		79-133					
trans-1,2-Dichloroethene	110		82-133					
1,1-Dichloroethane	109		85-135					
cis-1,2-Dichloroethene	110		83-126					
Chloroform	108		82-131					
1,1,1-Trichloroethane	109		81-142					
Carbon Tetrachloride	106		79-155					
Benzene	107		83-128					

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
1,2-Dichloroethane	104		73-136					
Trichloroethene	104		83-136					
1,2-Dichloropropane	104		83-129					
Bromodichloromethane	102		80-129					
Toluene	93		83-127					
1,1,2-Trichloroethane	93		77-125					
Tetrachloroethene	79		78-133					
Dibromochloromethane	96		73-119					
Chlorobenzene	88		83-120					
Ethylbenzene	83		82-129					
Bromoform	88		64-119					
1,1,2,2-Tetrachloroethane	91		69-121					
trans-1,3-Dichloropropene	87		75-117					
cis-1,3-Dichloropropene	101		76-117					
Xylene (Total)	83		82-130					
Acrylonitrile	89		54-132					
Acrolein	60		21-153					
2-Chloroethyl Vinyl Ether	54		1-172					
Batch number: Y052341AA Sample number(s): 4584292,4584294,4584296								
Methyl Tertiary Butyl Ether	100	102	69-134	2	30			
t-Butyl alcohol	96	97	51-147	1	30			
Chloromethane	106	109	72-208	3	30			
Vinyl Chloride	105	109	81-150	3	30			
Bromomethane	110	115	59-143	4	30			
Chloroethane	108	112	63-142	3	30			
Trichlorofluoromethane	118	117	77-177	0	30			
1,1-Dichloroethene	107	110	87-145	3	30			
Methylene Chloride	99	103	79-133	4	30			
trans-1,2-Dichloroethene	106	108	82-133	2	30			
1,1-Dichloroethane	105	109	85-135	4	30			
cis-1,2-Dichloroethene	102	106	83-126	4	30			
Chloroform	106	108	82-131	3	30			
1,1,1-Trichloroethane	109	111	81-142	2	30			
Carbon Tetrachloride	107	110	79-155	3	30			
Benzene	105	108	83-128	2	30			
1,2-Dichloroethane	102	104	73-136	2	30			
Trichloroethene	104	105	83-136	1	30			
1,2-Dichloropropane	104	105	83-129	1	30			
Bromodichloromethane	103	103	80-129	0	30			
Toluene	101	102	83-127	1	30			
1,1,2-Trichloroethane	99	99	77-125	0	30			
Tetrachloroethene	98	100	78-133	2	30			
Dibromochloromethane	103	103	73-119	0	30			
Chlorobenzene	99	100	83-120	1	30			
Ethylbenzene	100	102	82-129	2	30			
Bromoform	96	97	64-119	1	30			
1,1,2,2-Tetrachloroethane	102	99	69-121	2	30			
trans-1,3-Dichloropropene	96	98	75-117	2	30			
cis-1,3-Dichloropropene	101	103	76-117	2	30			
Xylene (Total)	101	102	82-130	1	30			
Acrylonitrile	97	100	54-132	3	30			
Acrolein	73	73	21-153	1	30			
2-Chloroethyl Vinyl Ether	0*	0*	1-172	0	30			

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
								<u>Max</u>

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052280003A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4584278	77	274*
4584280	115	120
4584282	82	162*
4584284	88	99
4584286	82	144
4584288	87	94
4584290	90	85
4584292	107	84
4584294	97	178*
4584296	94	107
Blank	89	102
LCS	93	87
LCSD	93	90
Limits:	45-125	47-155

Analysis Name: EDB in Wastewater  
Batch number: 052280013A

	1,1,2,2-Tetrachloroethane
4584278	120
4584280	120
4584282	89
4584284	94
4584286	76
4584288	101
4584290	102
4584292	96
4584294	67
4584296	83
4584297	97
Blank	126*
DUP	114
LCS	124*
LCSD	103
MS	120
Limits:	52-120

Analysis Name: TCL SW846 Semivolatiles/Waters

Batch number: 05228WAE026	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
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\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

### Surrogate Quality Control

4584278	59	42	102	91
4584280	61	43	107	92
4584282	51	35	94	110
4584284	43	30	77	93
4584286	55	38	110	95
4584288	61	44	97	91
4584292	55	40	106	121
4584294	53	36	94	87
4584296	58	37	95	89
Blank	56	37	98	88
LCS	62	41	107	93
LCSD	63	42	104	94

Limits:	10-99	10-80	31-148	51-123
	2-Fluorobiphenyl	Terphenyl-d14		

4584278	90	105		
4584280	91	105		
4584282	91	74		
4584284	91	72		
4584286	94	81		
4584288	85	100		
4584292	100	109		
4584294	85	101		
4584296	89	99		
Blank	89	102		
LCS	97	102		
LCSD	93	102		

Limits:	64-112	52-151		
---------	--------	--------	--	--

Analysis Name: PPL + Xylene (total) by 8260  
Batch number: L052351AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4584282	102	98	96	109
4584284	101	97	95	105
Blank	106	102	95	93
LCS	97	96	102	104
MS	97	96	101	103
MSD	98	96	101	104

Limits:	81-120	82-112	85-112	83-113
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Analysis Name: PPL + Xylene (total) by 8260  
Batch number: N052351AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4584297	101	104	110	106
Blank	101	102	112	109
LCS	102	106	111	110
LCSD	103	106	112	110
MS	103	104	111	110

Limits:	81-120	82-112	85-112	83-113
---------	--------	--------	--------	--------

Analysis Name: PPL + Xylene (total) by 8260

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:29 PM

Group Number: 955436

### Surrogate Quality Control

Batch number: Y052311AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4584278	92	89	86	92
4584280	92	88	87	92
4584286	93	91	86	113
4584288	93	88	86	101
4584290	94	91	86	91
Blank	91	87	87	89
LCS	93	91	87	91
LCSD	93	92	87	91
MS	94	91	86	91
Limits:	81-120	82-112	85-112	83-113

Analysis Name: PPL + Xylene (total) by 8260

Batch number: Y052341AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4584292	89	100	88	90
4584294	91	88	88	90
4584296	91	90	88	88
Blank	91	88	89	89
LCS	90	92	89	90
MS	90	92	88	90
MSD	90	89	88	90
Limits:	81-120	82-112	85-112	83-113

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

For Lancaster Laboratories use only

Group No.: 955436

Sample Nos.: 4584278-97

Acc't No.: 11549

SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix: _____		Analyses Requested												Remarks:		
Quote #: _____																				
Project Name/#: <u>Former Metro Container Investigation</u>																				
Sampler: _____																				
P.O. #: _____																				
Name of state where samples were collected: <u>PA</u>																				
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOA's, MTBE, TBA	VOA TICs - 15	EDB (8011)	PPL SVOA's + 1-MN	SVOA TICs - 25	PPL Metals (total)	PPL Metals (filtered)	PPL Pest/PCBs	Phenol	Cyanide		
05-MET-007		0800	X			X		11	X									X		N (0-10)
05-MET-007A		0830						11	X									X		N (0-10)
05-MET-014		0930						11	X									X		N (0-10)
05-MET-015		1000						9	X	X	X	X	X	X	X	X				N (0-15)
05-MET-0049 <sup>up 8/14/05</sup>		1100						11	X									X		N (0-15)
05-MET-022		1200						10	X	X	X	X	X	X	X	X		X		N (0-15)
05-MET-023		1400						10	X	X	X	X	X	X	X	X		X		N (0-15)
05-MET-062		1430						11	X									X		N (0-7)
05-MET-065		1500						11	X									X		N (0-17)
EB081505W		1510						10	X									X		EB
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush								Date:		Time:		Received by:		Date:		Time:				
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)								8/15/05		1600		[Redacted]		8/15/05		1600				
Date results are needed: _____								Date:		Time:		Received by:		Date:		Time:				
Rush results requested by (please circle): Fax Email								8/15/05		1800		[Redacted]		[Redacted]		[Redacted]				
Fax #: _____ Email address: _____								Date:		Time:		Received by:		Date:		Time:				
Data Package Options (please circle if required)								Date:		Time:		Received by:		Date:		Time:				
QC Summary								Date:		Time:		Received by:		Date:		Time:				
Type I (Tier I)								Date:		Time:		Received by:		Date:		Time:				
Type II (Tier II)								Date:		Time:		Received by:		Date:		Time:				
Type III (NJ Reduced Del.)								Date:		Time:		Received by:		Date:		Time:				
Type IV (CLP)								Date:		Time:		Received by:		Date:		Time:				
Type VI (Raw Data)								Date:		Time:		Received by:		Date:		Time:				
GLP								Date:		Time:		Received by:		Date:		Time:				
Other: _____								Date:		Time:		Received by:		Date:		Time:				
SDG Complete? Yes No								Date:		Time:		Received by:		Date:		Time:				
Site specific QC required? Yes No								Date:		Time:		Received by:		Date:		Time:				
(If yes, indicate QC sample and submit triplicate volume.)								Date:		Time:		Received by:		Date:		Time:				
Internal chain of custody required? Yes No								Date:		Time:		Received by:		Date:		Time:				





# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 955619. Samples arrived at the laboratory on Tuesday, August 16, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-066 Grab Soil Sample	4585100
05-MET-060 Grab Soil Sample	4585101
05-MET-060B Grab Soil Sample	4585102
05-MET-060V Grab Soil Sample	4585103
05-MET-058 Grab Soil Sample	4585104
05-MET-057 Grab Soil Sample	4585105
TB081605 Trip Blank Methanol Sample	4585106
05-MET-060S Grab Soil Sample	4585107
05-MET-011 Grab Soil Sample	4585108
05-MET-006 Grab Soil Sample	4585109
05-MET-132 Grab Soil Sample	4585110
05-MET-018 Grab Soil Sample	4585111
05-MET-004 Grab Soil Sample	4585112
05-MET-016 Grab Soil Sample	4585113

1 COPY TO

Montgomery Watson Harza

Attn: [REDACTED]

Questions? Contact your Client Services Representative

[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Senior Chemist

Lancaster Laboratories Sample No. SW 4585100

05-MET-066 Grab Soil Sample

N(13.5-14)

Former Metro Container Investigation

Collected: 08/16/2005 08:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 08/26/2005 at 11:08

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-066-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0030	0.114	mg/kg	1
06925	Thallium	7440-28-0	1.94 J	1.08	2.26	mg/kg	1
06935	Arsenic	7440-38-2	1.12 J	0.756	2.26	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.08	2.26	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.926	2.26	mg/kg	1
06947	Beryllium	7440-41-7	0.546 J	0.0485	0.564	mg/kg	1
06949	Cadmium	7440-43-9	0.235 J	0.0971	0.564	mg/kg	1
06951	Chromium	7440-47-3	41.4	0.598	1.69	mg/kg	1
06953	Copper	7440-50-8	8.42	0.339	1.13	mg/kg	1
06955	Lead	7439-92-1	7.30	0.881	2.26	mg/kg	1
06961	Nickel	7440-02-0	21.3	0.373	1.13	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.214	0.564	mg/kg	1
06972	Zinc	7440-66-6	27.0	0.519	2.26	mg/kg	1
00111	Moisture	n.a.	14.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.58	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00395	0.0193	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00395	0.0193	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00395	0.0193	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00767	0.0395	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00767	0.0395	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00767	0.0395	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0395	0.193	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00395	0.0193	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00395	0.0193	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00488	0.0193	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00395	0.0193	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00767	0.0395	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00767	0.0395	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0930	0.395	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.256	0.767	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00395	0.0193	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00767	0.0395	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00767	0.0395	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00767	0.0395	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101746

**Lancaster Laboratories Sample No. SW 4585100**
**05-MET-066 Grab Soil Sample**
**N(13.5-14)**
**Former Metro Container Investigation**

Collected: 08/16/2005 08:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:08

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-066-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.172	0.395	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0767	0.395	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.112	0.395	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0698	0.395	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.256	0.767	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0767	0.395	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.256	0.767	mg/kg	20

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

**04688 PPL Semivolatiles**

00176	1,4-Dioxane	123-91-1	N.D.	1.2	5.8	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.39	1.9	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.39	1.9	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.39	1.9	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.39	1.9	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.39	1.9	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.78	1.9	mg/kg	10
01191	Acenaphthene	83-32-9	0.82 J	0.39	1.9	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	1.9	5.8	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.78	1.9	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	1.9	5.8	mg/kg	10
01195	Pyrene	129-00-0	9.9	0.39	1.9	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	1.3 J	0.39	1.9	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.39	1.9	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.2	1.9	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.39	1.9	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.39	1.9	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	7.8	23.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.9	5.8	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.78	1.9	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.39	1.9	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.39	1.9	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.39	1.9	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.39	1.9	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.39	1.9	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.39	1.9	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.39	1.9	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.39	1.9	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	0.39	1.9	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101747

Lancaster Laboratories Sample No. SW 4585100

05-MET-066 Grab Soil Sample

N(13.5-14)

Former Metro Container Investigation

Collected: 08/16/2005 08:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:08

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-066-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.78	1.9	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.9	5.8	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.39	1.9	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.39	1.9	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.78	1.9	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.39	1.9	mg/kg	10
03768	Fluorene	86-73-7	0.70 J	0.39	1.9	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.39	1.9	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.78	1.9	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.39	1.9	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.39	1.9	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.39	1.9	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.39	1.9	mg/kg	10
03775	Phenanthrene	85-01-8	4.8	0.39	1.9	mg/kg	10
03776	Anthracene	120-12-7	2.6	0.39	1.9	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.78	1.9	mg/kg	10
03778	Fluoranthene	206-44-0	1.6 J	0.39	1.9	mg/kg	10
03779	Benzidine	92-87-5	N.D.	7.8	23.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.78	1.9	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	8.8	0.39	1.9	mg/kg	10
03782	Chrysene	218-01-9	11.	0.39	1.9	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.2	3.9	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.78	3.9	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.78	1.9	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	1.8 J	0.39	1.9	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.39	1.9	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	2.9	0.39	1.9	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.75 J	0.39	1.9	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	1.1 J	0.39	1.9	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	1.3 J	0.39	1.9	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

Matrix QC was performed on this sample for the GCMS semivolatile analysis. Please see the attached QC summary report for compounds showing a matrix bias.

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. SW 4585100**
**05-MET-066 Grab Soil Sample**
**N(13.5-14)**
**Former Metro Container Investigation**

Collected: 08/16/2005 08:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:08

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-066-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.042	0.21	mg/kg	36.08
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.021	0.21	mg/kg	36.08
02020	t-Butyl alcohol	75-65-0	N.D.	0.84	4.2	mg/kg	36.08
05444	Chloromethane	74-87-3	N.D.	0.084	0.21	mg/kg	36.08
05445	Vinyl Chloride	75-01-4	N.D.	0.042	0.21	mg/kg	36.08
05446	Bromomethane	74-83-9	N.D.	0.084	0.21	mg/kg	36.08
05447	Chloroethane	75-00-3	N.D.	0.084	0.21	mg/kg	36.08
05448	Trichlorofluoromethane	75-69-4	N.D.	0.084	0.21	mg/kg	36.08
05449	1,1-Dichloroethene	75-35-4	N.D.	0.042	0.21	mg/kg	36.08
05450	Methylene Chloride	75-09-2	N.D.	0.084	0.21	mg/kg	36.08
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.042	0.21	mg/kg	36.08
05452	1,1-Dichloroethane	75-34-3	N.D.	0.042	0.21	mg/kg	36.08
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.042	0.21	mg/kg	36.08
05455	Chloroform	67-66-3	N.D.	0.042	0.21	mg/kg	36.08
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.042	0.21	mg/kg	36.08
05458	Carbon Tetrachloride	56-23-5	N.D.	0.042	0.21	mg/kg	36.08
05460	Benzene	71-43-2	N.D.	0.021	0.21	mg/kg	36.08
05461	1,2-Dichloroethane	107-06-2	N.D.	0.042	0.21	mg/kg	36.08
05462	Trichloroethene	79-01-6	N.D.	0.042	0.21	mg/kg	36.08
05463	1,2-Dichloropropane	78-87-5	N.D.	0.042	0.21	mg/kg	36.08
05465	Bromodichloromethane	75-27-4	N.D.	0.042	0.21	mg/kg	36.08
05466	Toluene	108-88-3	N.D.	0.042	0.21	mg/kg	36.08
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.042	0.21	mg/kg	36.08
05468	Tetrachloroethene	127-18-4	N.D.	0.042	0.21	mg/kg	36.08
05470	Dibromochloromethane	124-48-1	N.D.	0.042	0.21	mg/kg	36.08
05472	Chlorobenzene	108-90-7	N.D.	0.042	0.21	mg/kg	36.08
05474	Ethylbenzene	100-41-4	0.068 J	0.042	0.21	mg/kg	36.08
05478	Bromoform	75-25-2	N.D.	0.042	0.21	mg/kg	36.08
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.042	0.21	mg/kg	36.08
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.042	0.21	mg/kg	36.08
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.042	0.21	mg/kg	36.08
06301	Xylene (Total)	1330-20-7	1.4	0.042	0.21	mg/kg	36.08
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.084	0.42	mg/kg	36.08
07586	Acrolein	107-02-8	N.D.	0.84	4.2	mg/kg	36.08
07587	Acrylonitrile	107-13-1	N.D.	0.17	0.84	mg/kg	36.08

The GC/MS volatile analysis was performed according to the high level

\*=This limit was used in the evaluation of the final result

AR101749



Lancaster Laboratories Sample No. SW 4585100

05-MET-066 Grab Soil Sample

N(13.5-14)

Former Metro Container Investigation

Collected: 08/16/2005 08:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:08

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-066-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:24		1
06925	Thallium	SW-846 6010B	1	08/19/2005 01:15		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 01:15		1
06936	Selenium	SW-846 6010B	1	08/19/2005 01:15		1
06944	Antimony	SW-846 6010B	1	08/19/2005 01:15		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 01:15		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 01:15		1
06951	Chromium	SW-846 6010B	1	08/19/2005 01:15		1
06953	Copper	SW-846 6010B	1	08/19/2005 01:15		1
06955	Lead	SW-846 6010B	1	08/19/2005 01:15		1
06961	Nickel	SW-846 6010B	1	08/19/2005 01:15		1
06966	Silver	SW-846 6010B	1	08/19/2005 01:15		1
06972	Zinc	SW-846 6010B	1	08/19/2005 01:15		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:19		1
05912	Phenols	SW846 9066	2	08/23/2005 12:13		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 03:13		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 22:45		10

\*=This limit was used in the evaluation of the final result

AR101750

**Lancaster Laboratories Sample No. SW 4585100**

**05-MET-066 Grab Soil Sample**

**N(13.5-14)**

**Former Metro Container Investigation**

Collected: 08/16/2005 08:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:08

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-066-

06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 20:07		36.08
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 20:07		36.08
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/20/2005 18:45		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/17/2005 12:20		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/17/2005 08:50		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/17/2005 08:51		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4585100  
 Sample wt/vol: 6.93 (g/mL) g Lab File ID: HP07566.i/05aug18b.b/rg18s37.d  
 Level: (low/med) MED Date Received: 08/16/05  
 % Moisture: not dec. 14 Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP Dilution Factor: 36.1  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.56	5.3	J
2.	!Unknown aromatic	12.85	4.6	J
3.	!Unknown alicyclic	13.02	4.9	J
4.	!Unknown aromatic	13.31	5.4	J
5.	!Unknown aromatic	13.35	5.7	J
6.	!Unknown aromatic	13.72	4.8	J
7.	!Unknown aromatic	14.13	4.3	J
8.	!Unknown aromatic	14.22	4.4	J
9.	!Unknown aromatic	14.24	4.9	J
10.	!Unknown aromatic	14.44	5.4	J
11.	!Unknown aromatic	14.54	8.3	J
12.	!Unknown aromatic	14.75	4.9	J
13.	!Unknown aromatic	14.80	5.3	J
14.	!Unknown aromatic	15.03	5.5	J
15.	!Unknown aromatic	15.17	5.1	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101752

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585100  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh255.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 14 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.346	15	JAB
2.	Unknown	8.681	11	J
3.	Unknown Alkane	10.237	11	J
4.	Unknown Cycloalkane	12.752	9.8	J
5.	Unknown Cycloalkane	14.019	11	J
6.	Unknown	16.109	11	J
7.	Unknown	17.123	16	J
8.	Unknown	18.350	11	J
9.	Unknown	19.519	14	J
10.	Unknown	19.721	17	J
11.	Anthracene, 2-methyl-	19.863	12	JX
12.	Phenanthrene, 2-methyl-	19.954	15	JX
13.	Unknown	20.014	16	J
14.	Phenanthrene, 3-methyl-	20.065	12	JX
15.	Unknown Alkane	20.682	18	J
16.	Phenanthrene, 2,3-dimethyl-	20.834	20	JX
17.	Unknown	20.966	20	J
18.	Unknown	21.341	7.7	J
19.	Phenanthrene, 2,3,5-trimethyl-	21.645	8.9	JX
20.	Unknown	21.899	11	J
21.	Pyrene, 4-methyl-	22.316	11	JX
22.	Unknown	22.407	7.4	J
23.	Unknown Cycloalkane	23.110	7.8	J
24.	Benz[a]anthracene, 7,12-dime	25.600	7.7	JX
25.	Chrysene, 5-ethyl-	25.712	14	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101753

**Lancaster Laboratories Sample No. SW 4585101**
**05-MET-060 Grab Soil Sample**
**N(5.5-6.0)**
**Former Metro Container Investigation**

Collected: 08/16/2005 10:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:09

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0214 J	0.0031	0.118	mg/kg	1
06925	Thallium	7440-28-0	2.73	1.19	2.48	mg/kg	1
06935	Arsenic	7440-38-2	5.63	0.829	2.48	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.19	2.48	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.01	2.48	mg/kg	1
06947	Beryllium	7440-41-7	0.759	0.0532	0.619	mg/kg	1
06949	Cadmium	7440-43-9	2.54	0.106	0.619	mg/kg	1
06951	Chromium	7440-47-3	33.0	0.656	1.86	mg/kg	1
06953	Copper	7440-50-8	13.3	0.371	1.24	mg/kg	1
06955	Lead	7439-92-1	26.5	0.965	2.48	mg/kg	1
06961	Nickel	7440-02-0	14.5	0.408	1.24	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.235	0.619	mg/kg	1
06972	Zinc	7440-66-6	345.	0.569	2.48	mg/kg	1
00111	Moisture	n.a.	20.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00425	0.0208	mg/kg	20
01219	Heptachlor	76-44-8	0.00470 J	0.00425	0.0208	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00425	0.0208	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00825	0.0425	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00825	0.0425	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00825	0.0425	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0425	0.208	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00425	0.0208	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00425	0.0208	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00525	0.0208	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00425	0.0208	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00825	0.0425	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00825	0.0425	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.100	0.425	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.275	0.825	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00425	0.0208	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00825	0.0425	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00825	0.0425	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00825	0.0425	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101754

Lancaster Laboratories Sample No. SW 4585101

05-MET-060 Grab Soil Sample

N(5.5-6.0)

Former Metro Container Investigation

Collected: 08/16/2005 10:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:09

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.185	0.425	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0825	0.425	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.120	0.425	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0750	0.425	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.275	0.825	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0825	0.425	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.275	0.825	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.2	6.3	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.42	2.1	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.42	2.1	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.42	2.1	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.42	2.1	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.42	2.1	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.83	2.1	mg/kg	10
01191	Acenaphthene	83-32-9	1.3 J	0.42	2.1	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.1	6.3	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.83	2.1	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.1	6.3	mg/kg	10
01195	Pyrene	129-00-0	8.1	0.42	2.1	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	4.2	0.42	2.1	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.42	2.1	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.2	2.1	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.42	2.1	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.42	2.1	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.3	25.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.1	6.3	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.83	2.1	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.42	2.1	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.42	2.1	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.42	2.1	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.42	2.1	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.42	2.1	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.42	2.1	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.42	2.1	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101755

**Lancaster Laboratories Sample No. SW 4585101**
**05-MET-060 Grab Soil Sample**
**N(5.5-6.0)**
**Former Metro Container Investigation**

Collected: 08/16/2005 10:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:09

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.42	2.1	mg/kg	10
03761	Naphthalene	91-20-3	2.5	0.42	2.1	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.83	2.1	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.1	6.3	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.42	2.1	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.42	2.1	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.83	2.1	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.42	2.1	mg/kg	10
03768	Fluorene	86-73-7	0.77 J	0.42	2.1	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.42	2.1	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.83	2.1	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.42	2.1	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.42	2.1	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.42	2.1	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.42	2.1	mg/kg	10
03775	Phenanthrene	85-01-8	5.2	0.42	2.1	mg/kg	10
03776	Anthracene	120-12-7	2.8	0.42	2.1	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.83	2.1	mg/kg	10
03778	Fluoranthene	206-44-0	1.3 J	0.42	2.1	mg/kg	10
03779	Benzidine	92-87-5	N.D.	8.3	25.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.83	2.1	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	4.9	0.42	2.1	mg/kg	10
03782	Chrysene	218-01-9	7.1	0.42	2.1	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.2	4.2	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.83	4.2	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.83	2.1	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	1.2 J	0.42	2.1	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.42	2.1	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	2.3	0.42	2.1	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.42	2.1	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	0.58 J	0.42	2.1	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	0.89 J	0.42	2.1	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

AR101756

Lancaster Laboratories Sample No. SW 4585101

05-MET-060 Grab Soil Sample  
N(5.5-6.0)  
Former Metro Container Investigation

Collected: 08/16/2005 10:30

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 08/26/2005 at 11:09  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

-060-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.048	0.24	mg/kg	38.4
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	0.24	mg/kg	38.4
02020	t-Butyl alcohol	75-65-0	N.D.	0.96	4.8	mg/kg	38.4
05444	Chloromethane	74-87-3	N.D.	0.096	0.24	mg/kg	38.4
05445	Vinyl Chloride	75-01-4	N.D.	0.048	0.24	mg/kg	38.4
05446	Bromomethane	74-83-9	N.D.	0.096	0.24	mg/kg	38.4
05447	Chloroethane	75-00-3	N.D.	0.096	0.24	mg/kg	38.4
05448	Trichlorofluoromethane	75-69-4	N.D.	0.096	0.24	mg/kg	38.4
05449	1,1-Dichloroethene	75-35-4	N.D.	0.048	0.24	mg/kg	38.4
05450	Methylene Chloride	75-09-2	N.D.	0.096	0.24	mg/kg	38.4
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.048	0.24	mg/kg	38.4
05452	1,1-Dichloroethane	75-34-3	N.D.	0.048	0.24	mg/kg	38.4
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.048	0.24	mg/kg	38.4
05455	Chloroform	67-66-3	N.D.	0.048	0.24	mg/kg	38.4
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.048	0.24	mg/kg	38.4
05458	Carbon Tetrachloride	56-23-5	N.D.	0.048	0.24	mg/kg	38.4
05460	Benzene	71-43-2	0.16 J	0.024	0.24	mg/kg	38.4
05461	1,2-Dichloroethane	107-06-2	N.D.	0.048	0.24	mg/kg	38.4
05462	Trichloroethene	79-01-6	N.D.	0.048	0.24	mg/kg	38.4
05463	1,2-Dichloropropane	78-87-5	N.D.	0.048	0.24	mg/kg	38.4
05465	Bromodichloromethane	75-27-4	N.D.	0.048	0.24	mg/kg	38.4
05466	Toluene	108-88-3	0.24	0.048	0.24	mg/kg	38.4
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.048	0.24	mg/kg	38.4
05468	Tetrachloroethene	127-18-4	N.D.	0.048	0.24	mg/kg	38.4
05470	Dibromochloromethane	124-48-1	N.D.	0.048	0.24	mg/kg	38.4
05472	Chlorobenzene	108-90-7	N.D.	0.048	0.24	mg/kg	38.4
05474	Ethylbenzene	100-41-4	1.5	0.048	0.24	mg/kg	38.4
05478	Bromoform	75-25-2	N.D.	0.048	0.24	mg/kg	38.4
05480	1,1,2,2-Tetrachloroethane	79-34-5	0.17 J	0.048	0.24	mg/kg	38.4
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.048	0.24	mg/kg	38.4
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.048	0.24	mg/kg	38.4
06301	Xylene (Total)	1330-20-7	4.4	0.048	0.24	mg/kg	38.4
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.096	0.48	mg/kg	38.4
07586	Acrolein	107-02-8	N.D.	0.96	4.8	mg/kg	38.4
07587	Acrylonitrile	107-13-1	N.D.	0.19	0.96	mg/kg	38.4

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

\*=This limit was used in the evaluation of the final result

AR101757



Lancaster Laboratories Sample No. SW 4585101

05-MET-060 Grab Soil Sample

N(5.5-6.0)

Former Metro Container Investigation

Collected: 08/16/2005 10:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:09

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:26		1
06925	Thallium	SW-846 6010B	1	08/19/2005 01:20		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 01:20		1
06936	Selenium	SW-846 6010B	1	08/19/2005 01:20		1
06944	Antimony	SW-846 6010B	1	08/19/2005 01:20		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 01:20		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 01:20		1
06951	Chromium	SW-846 6010B	1	08/19/2005 01:20		1
06953	Copper	SW-846 6010B	1	08/19/2005 01:20		1
06955	Lead	SW-846 6010B	1	08/19/2005 01:20		1
06961	Nickel	SW-846 6010B	1	08/19/2005 01:20		1
06966	Silver	SW-846 6010B	1	08/19/2005 01:20		1
06972	Zinc	SW-846 6010B	1	08/19/2005 01:20		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:21		1
05912	Phenols	SW846 9066	1	08/23/2005 13:42		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 04:15		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 10:26		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 20:29		38.4
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 20:29		38.4

\*=This limit was used in the evaluation of the final result

AR101758

**Lancaster Laboratories Sample No. SW 4585101**

**05-MET-060 Grab Soil Sample**

**N(5.5-6.0)**

**Former Metro Container Investigation**

Collected: 08/16/2005 10:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:09

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060-

00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/17/2005 12:22		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/17/2005 08:52		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/17/2005 08:53		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4585101  
 Sample wt/vol: 6.51 (g/mL) g      Lab File ID: HP07566.i/05aug18b.b/rg18s38.d  
 Level: (low/med) MED      Date Received: 08/16/05  
 % Moisture: not dec. 20      Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP      Dilution Factor: 38.4  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.05	110	J
2.	Unknown alkane	10.04	6.1	J
3.	Unknown aromatic	12.50	4.6	J
4.	Unknown aromatic	12.56	3.5	J
5.	Unknown aromatic	12.85	5.4	J
6.	Unknown aromatic	13.31	3.4	J
7.	Unknown aromatic	13.35	2.8	J
8.	Unknown aromatic	13.72	2.8	J
9.	Unknown aromatic	14.13	2.7	J
10.	Unknown aromatic	14.24	6.8	J
11.	Unknown aromatic	14.44	2.7	J
12.	Unknown aromatic	14.54	4.5	J
13.	Unknown aromatic	15.03	2.7	J
14.	Unknown aromatic	15.17	2.7	J
15.	Unknown aromatic	15.45	2.6	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101760

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585101  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh237.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 20 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Benzene, 1,2,3,4-tetramethyl	10.828	32	JX
2.	Unknown	15.455	20	J
3.	Unknown	16.569	25	J
4.	Unknown Alkane	17.393	33	J
5.	Unknown Alkane	19.979	37	J
6.	Anthracene, 1-methyl-	20.254	25	JX
7.	Unknown	20.325	33	J
8.	Unknown	20.559	33	J
9.	Unknown	20.752	34	J
10.	Unknown	20.935	22	J
11.	Phenanthrene, 2,7-dimethyl-	20.997	28	JX
12.	Phenanthrene, 2,5-dimethyl-	21.129	23	JX
13.	Unknown	21.354	26	J
14.	Unknown	21.466	19	J
15.	Unknown	21.558	24	J
16.	Unknown	23.128	22	J
17.	Unknown	23.560	20	J
18.	Benzo[c]phenanthrene, 5,8-di	26.221	35	JX
19.	Unknown	26.354	21	J
20.	Unknown	26.467	31	J
21.	Unknown	26.632	22	J
22.	Unknown	26.704	27	J
23.	Unknown	27.360	25	J
24.	Unknown	27.555	25	J
25.	Unknown	27.637	21	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101761

Lancaster Laboratories Sample No. SW 4585102

05-MET-060B Grab Soil Sample

N(16.5-17)

Former Metro Container Investigation

Collected: 08/16/2005 10:15

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:09

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0032	0.120	mg/kg	1
06925	Thallium	7440-28-0	2.04 J	1.17	2.44	mg/kg	1
06935	Arsenic	7440-38-2	1.39 J	0.817	2.44	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.17	2.44	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.00	2.44	mg/kg	1
06947	Beryllium	7440-41-7	0.680	0.0524	0.610	mg/kg	1
06949	Cadmium	7440-43-9	0.239 J	0.105	0.610	mg/kg	1
06951	Chromium	7440-47-3	42.3	0.646	1.83	mg/kg	1
06953	Copper	7440-50-8	8.04	0.366	1.22	mg/kg	1
06955	Lead	7439-92-1	9.00	0.951	2.44	mg/kg	1
06961	Nickel	7440-02-0	19.5	0.402	1.22	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.232	0.610	mg/kg	1
06972	Zinc	7440-66-6	47.1	0.561	2.44	mg/kg	1
00111	Moisture	n.a.	19.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.60	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00423	0.0206	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00423	0.0206	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00423	0.0206	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00821	0.0423	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00821	0.0423	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00821	0.0423	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0423	0.206	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00423	0.0206	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00423	0.0206	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00522	0.0206	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00423	0.0206	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00821	0.0423	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00821	0.0423	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0995	0.423	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.274	0.821	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00423	0.0206	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00821	0.0423	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00821	0.0423	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00821	0.0423	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101762

**Lancaster Laboratories Sample No. SW 4585102**

**05-MET-060B Grab Soil Sample**

**N(16.5-17)**

**Former Metro Container Investigation**

Collected: 08/16/2005 10:15

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:09

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.184	0.423	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0821	0.423	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.119	0.423	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0746	0.423	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.274	0.821	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0821	0.423	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.274	0.821	mg/kg	20

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.2	6.2	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.41	2.1	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.41	2.1	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.41	2.1	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.41	2.1	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.41	2.1	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.83	2.1	mg/kg	10
01191	Acenaphthene	83-32-9	1.1 J	0.41	2.1	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.1	6.2	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.83	2.1	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.1	6.2	mg/kg	10
01195	Pyrene	129-00-0	6.4	0.41	2.1	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	4.2	0.41	2.1	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.41	2.1	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.2	2.1	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.41	2.1	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.41	2.1	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.3	25.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.1	6.2	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.83	2.1	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.41	2.1	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.41	2.1	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.41	2.1	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.41	2.1	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.41	2.1	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.41	2.1	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.41	2.1	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.41	2.1	mg/kg	10
03761	Naphthalene	91-20-3	3.7	0.41	2.1	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101763

**Lancaster Laboratories Sample No. SW 4585102**
**05-MET-060B Grab Soil Sample**
**N(16.5-17)**
**Former Metro Container Investigation**

Collected: 08/16/2005 10:15

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:09

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.83	2.1	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.1	6.2	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.41	2.1	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.41	2.1	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.83	2.1	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.41	2.1	mg/kg	10
03768	Fluorene	86-73-7	0.81 J	0.41	2.1	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.41	2.1	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.83	2.1	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.41	2.1	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.41	2.1	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.41	2.1	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.41	2.1	mg/kg	10
03775	Phenanthrene	85-01-8	5.3	0.41	2.1	mg/kg	10
03776	Anthracene	120-12-7	2.7	0.41	2.1	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.83	2.1	mg/kg	10
03778	Fluoranthene	206-44-0	1.0 J	0.41	2.1	mg/kg	10
03779	Benzidine	92-87-5	N.D.	8.3	25.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.83	2.1	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	4.3	0.41	2.1	mg/kg	10
03782	Chrysene	218-01-9	5.4	0.41	2.1	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.2	4.1	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.83	4.1	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.83	2.1	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	0.82 J	0.41	2.1	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.41	2.1	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	1.9 J	0.41	2.1	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.41	2.1	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	0.43 J	0.41	2.1	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	0.61 J	0.41	2.1	mg/kg	10
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.039	0.19	mg/kg	31.13

\*=This limit was used in the evaluation of the final result

AR101764

**Lancaster Laboratories Sample No. SW 4585102**

**05-MET-060B Grab Soil Sample**

**N(16.5-17)**

**Former Metro Container Investigation**

Collected: 08/16/2005 10:15

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:09

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.019	0.19	mg/kg	31.13
02020	t-Butyl alcohol	75-65-0	N.D.	0.77	3.9	mg/kg	31.13
05444	Chloromethane	74-87-3	N.D.	0.077	0.19	mg/kg	31.13
05445	Vinyl Chloride	75-01-4	N.D.	0.039	0.19	mg/kg	31.13
05446	Bromomethane	74-83-9	N.D.	0.077	0.19	mg/kg	31.13
05447	Chloroethane	75-00-3	N.D.	0.077	0.19	mg/kg	31.13
05448	Trichlorofluoromethane	75-69-4	N.D.	0.077	0.19	mg/kg	31.13
05449	1,1-Dichloroethene	75-35-4	N.D.	0.039	0.19	mg/kg	31.13
05450	Methylene Chloride	75-09-2	N.D.	0.077	0.19	mg/kg	31.13
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.039	0.19	mg/kg	31.13
05452	1,1-Dichloroethane	75-34-3	N.D.	0.039	0.19	mg/kg	31.13
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.039	0.19	mg/kg	31.13
05455	Chloroform	67-66-3	N.D.	0.039	0.19	mg/kg	31.13
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.039	0.19	mg/kg	31.13
05458	Carbon Tetrachloride	56-23-5	N.D.	0.039	0.19	mg/kg	31.13
05460	Benzene	71-43-2	0.32	0.019	0.19	mg/kg	31.13
05461	1,2-Dichloroethane	107-06-2	N.D.	0.039	0.19	mg/kg	31.13
05462	Trichloroethene	79-01-6	N.D.	0.039	0.19	mg/kg	31.13
05463	1,2-Dichloropropane	78-87-5	N.D.	0.039	0.19	mg/kg	31.13
05465	Bromodichloromethane	75-27-4	N.D.	0.039	0.19	mg/kg	31.13
05466	Toluene	108-88-3	0.85	0.039	0.19	mg/kg	31.13
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.039	0.19	mg/kg	31.13
05468	Tetrachloroethene	127-18-4	N.D.	0.039	0.19	mg/kg	31.13
05470	Dibromochloromethane	124-48-1	N.D.	0.039	0.19	mg/kg	31.13
05472	Chlorobenzene	108-90-7	N.D.	0.039	0.19	mg/kg	31.13
05474	Ethylbenzene	100-41-4	0.99	0.039	0.19	mg/kg	31.13
05478	Bromoform	75-25-2	N.D.	0.039	0.19	mg/kg	31.13
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.039	0.19	mg/kg	31.13
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.039	0.19	mg/kg	31.13
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.039	0.19	mg/kg	31.13
06301	Xylene (Total)	1330-20-7	4.4	0.039	0.19	mg/kg	31.13
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.077	0.39	mg/kg	31.13
07586	Acrolein	107-02-8	N.D.	0.77	3.9	mg/kg	31.13
07587	Acrylonitrile	107-13-1	N.D.	0.15	0.77	mg/kg	31.13

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile

\*=This limit was used in the evaluation of the final result

AR101765



Lancaster Laboratories Sample No. SW 4585102

05-MET-060B Grab Soil Sample

N(16.5-17)

Former Metro Container Investigation

Collected: 08/16/2005 10:15

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:09

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060B

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:27		1
06925	Thallium	SW-846 6010B	1	08/19/2005 01:24		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 01:24		1
06936	Selenium	SW-846 6010B	1	08/19/2005 01:24		1
06944	Antimony	SW-846 6010B	1	08/19/2005 01:24		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 01:24		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 01:24		1
06951	Chromium	SW-846 6010B	1	08/19/2005 01:24		1
06953	Copper	SW-846 6010B	1	08/19/2005 01:24		1
06955	Lead	SW-846 6010B	1	08/19/2005 01:24		1
06961	Nickel	SW-846 6010B	1	08/19/2005 01:24		1
06966	Silver	SW-846 6010B	1	08/19/2005 01:24		1
06972	Zinc	SW-846 6010B	1	08/19/2005 01:24		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:24		1
05912	Phenols	SW846 9066	1	08/23/2005 13:44		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 04:36		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 11:09		10

\*=This limit was used in the evaluation of the final result

AR101766

**Lancaster Laboratories Sample No. SW 4585102**

**05-MET-060B Grab Soil Sample**

**N(16.5-17)**

**Former Metro Container Investigation**

Collected: 08/16/2005 10:15

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:09

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060B

06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 20:52		31.13
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 20:52		31.13
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/17/2005 12:24		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/17/2005 08:54		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/17/2005 08:55		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4585102  
 Sample wt/vol: 8.03 (g/mL) g      Lab File ID: HP07566.i/05aug18b.b/rg18s39.d  
 Level: (low/med) MED      Date Received: 08/16/05  
 % Moisture: not dec. 20      Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP      Dilution Factor: 31.1  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.01	46	J
2.	Unknown alkane	10.04	2.8	J
3.	Unknown aromatic	12.51	3.5	J
4.	Unknown alkane	12.56	4.6	J
5.	Unknown aromatic	12.73	1.6	J
6.	Unknown aromatic	12.85	3.1	J
7.	Unknown aromatic	13.16	1.5	J
8.	Unknown aromatic	13.32	2.0	J
9.	Unknown alkane	13.41	2.9	J
10.	Unknown aromatic	13.72	1.6	J
11.	Unknown aromatic	14.13	2.9	J
12.	Unknown aromatic	14.24	3.8	J
13.	Unknown aromatic	14.54	2.5	J
14.	Unknown aromatic	15.03	1.5	J
15.	Unknown aromatic	15.45	1.5	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101768

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585102  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh238.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 20 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	9.372	47	J
2.	!Unknown Alkane	12.376	41	J
3.	!Unknown Alkane	13.633	48	J
4.	!Unknown Alkane	14.802	79	J
5.	!Unknown Alkane	15.904	67	J
6.	!Unknown Alkane	16.566	23	J
7.	!Unknown Alkane	16.947	76	J
8.	!Unknown Alkane	17.389	24	J
9.	!Unknown Alkane	17.922	35	J
10.	!Unknown Alkane	18.839	30	J
11.	!Unknown Alkane	19.676	38	J
12.	!Unknown Alkane	19.978	23	J
13.	!Unknown Alkane	20.433	44	J
14.	!Unknown	21.000	23	J
15.	!Unknown Alkane	21.142	46	J
16.	!Unknown Alkane	21.518	27	J
17.	!Unknown Alkane	21.802	26	J
18.	!Unknown Alkane	22.788	24	J
19.	!Unknown Alkane	23.013	30	J
20.	!Unknown Alkane	23.206	30	J
21.	!Unknown Alkane	23.615	35	J
22.	!Unknown Alkane	24.309	25	J
23.	!Unknown Alkane	25.115	23	J
24.	!Unknown Alkane	27.250	52	J
25.	!Unknown Alkane	28.649	37	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101769

Lancaster Laboratories Sample No. SW 4585103

05-MET-060V Grab Soil Sample

N(34-34.5)

Former Metro Container Investigation

Collected: 08/16/2005 10:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:10

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0033	0.124	mg/kg	1
06925	Thallium	7440-28-0	1.54 J	1.18	2.46	mg/kg	1
06935	Arsenic	7440-38-2	N.D.	0.824	2.46	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.18	2.46	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.01	2.46	mg/kg	1
06947	Beryllium	7440-41-7	0.732	0.0529	0.615	mg/kg	1
06949	Cadmium	7440-43-9	0.481 J	0.106	0.615	mg/kg	1
06951	Chromium	7440-47-3	225.	0.652	1.85	mg/kg	1
06953	Copper	7440-50-8	11.3	0.369	1.23	mg/kg	1
06955	Lead	7439-92-1	3.16	0.959	2.46	mg/kg	1
06961	Nickel	7440-02-0	75.5	0.406	1.23	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.234	0.615	mg/kg	1
06972	Zinc	7440-66-6	38.4	0.566	2.46	mg/kg	1
00111	Moisture	n.a.	20.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000213	0.00104	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000213	0.00104	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000213	0.00104	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000414	0.00213	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000414	0.00213	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000414	0.00213	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00213	0.0104	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000213	0.00104	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000213	0.00104	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000263	0.00104	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000213	0.00104	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000414	0.00213	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000414	0.00213	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00502	0.0213	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0138	0.0414	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000213	0.00104	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000414	0.00213	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000414	0.00213	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000414	0.00213	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101770

**Lancaster Laboratories Sample No. SW 4585103**
**05-MET-060V Grab Soil Sample**
**N(34-34.5)**
**Former Metro Container Investigation**

Collected: 08/16/2005 10:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:10

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00928	0.0213	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00414	0.0213	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00602	0.0213	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00376	0.0213	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0138	0.0414	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00414	0.0213	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0138	0.0414	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.63	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.042	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.042	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.042	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.042	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.042	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.084	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.042	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.63	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.084	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.63	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.042	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.042	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.042	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.042	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.042	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.84	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.63	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.084	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.042	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.042	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.042	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.042	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.042	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.042	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.042	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.042	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.042	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.084	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.63	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101771

**Lancaster Laboratories Sample No. SW 4585103**
**05-MET-060V Grab Soil Sample**
**N(34-34.5)**
**Former Metro Container Investigation**

Collected: 08/16/2005 10:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:10

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.042	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.042	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.084	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.042	0.21	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.042	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.042	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.084	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.042	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.042	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.042	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.042	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.042	0.21	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.042	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.084	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.042	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.84	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.084	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.042	0.21	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.042	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.42	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.084	0.42	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.084	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.042	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.042	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.042	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.042	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.042	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.042	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.93
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.93
02020	t-Butyl alcohol	75-65-0	N.D.	0.023	0.12	mg/kg	0.93
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.93

\*=This limit was used in the evaluation of the final result

AR101772

Lancaster Laboratories Sample No. SW 4585103

05-MET-060V Grab Soil Sample

N(34-34.5)

Former Metro Container Investigation

Collected: 08/16/2005 10:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:10

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.93
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.93
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.93
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.93
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.93
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.93
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.93
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.93
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.93
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.93
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.93
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.93
05460	Benzene	71-43-2	0.080	0.0006	0.006	mg/kg	0.93
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.93
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.93
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.93
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.93
05466	Toluene	108-88-3	0.052	0.001	0.006	mg/kg	0.93
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.93
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.93
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.93
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.93
05474	Ethylbenzene	100-41-4	0.007	0.001	0.006	mg/kg	0.93
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.93
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.93
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.93
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.93
06301	Xylene (Total)	1330-20-7	0.032	0.001	0.006	mg/kg	0.93
07586	Acrolein	107-02-8	N.D.	0.023	0.12	mg/kg	0.93
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.023	mg/kg	0.93

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR101773



Lancaster Laboratories Sample No. SW 4585103

05-MET-060V Grab Soil Sample

N(34-34.5)

Former Metro Container Investigation

Collected: 08/16/2005 10:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:10

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:29		1
06925	Thallium	SW-846 6010B	1	08/19/2005 01:29		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 01:29		1
06936	Selenium	SW-846 6010B	1	08/19/2005 01:29		1
06944	Antimony	SW-846 6010B	1	08/19/2005 01:29		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 01:29		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 01:29		1
06951	Chromium	SW-846 6010B	1	08/19/2005 01:29		1
06953	Copper	SW-846 6010B	1	08/19/2005 01:29		1
06955	Lead	SW-846 6010B	1	08/19/2005 01:29		1
06961	Nickel	SW-846 6010B	1	08/19/2005 01:29		1
06966	Silver	SW-846 6010B	1	08/19/2005 01:29		1
06972	Zinc	SW-846 6010B	1	08/19/2005 01:29		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:25		1
05912	Phenols	SW846 9066	1	08/23/2005 13:45		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 04:56		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 11:53		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 20:52		0.93
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 20:52		0.93
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/17/2005 12:28		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/17/2005 08:58		n.a.

\*=This limit was used in the evaluation of the final result

AR101774



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8

Lancaster Laboratories Sample No. SW 4585103

05-MET-060V Grab Soil Sample

N(34-34.5)

Former Metro Container Investigation

Collected: 08/16/2005 10:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:10

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-060V

08389 GC/MS - LL Encore Prep

SW-846 5035

2 08/17/2005 08:59

n.a.

\*=This limit was used in the evaluation of the final result

AR101775

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO. _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4585103	SDG No.: _____
Sample wt/vol: 5.4 (g/mL) g	Lab File ID: HP09193.i/05aug18a.b/xg18s17.d	
Level: (low/med) LOW	Date Received: 08/16/05	
% Moisture: not dec. 20	Date Analyzed: 08/18/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 9

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 7446-09-5	Sulfur dioxide	2.07	0.013	J B
2. 75-15-0	Carbon disulfide	3.87	0.016	J
3.	Unknown alicyclic	6.68	0.010	J
4.	Unknown alicyclic	9.17	0.013	J
5.	Unknown alicyclic	9.23	0.008	J
6.	Unknown aromatic	12.41	0.008	J
7.	Unknown aromatic	12.76	0.007	J
8.	Unknown aromatic	13.22	0.006	J
9. 91-20-3	Naphthalene	14.58	0.006	J
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101776

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585103  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh239.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 20 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	3.895	.83	J
2.141-79-7	!3-Penten-2-one, 4-methyl-	5.678	.22	JA
3.123-42-2	!2-Pentanone, 4-hydroxy-4-met	6.678	.12	JAB
4.	!Unknown	8.005	.27	J
5.	!Unknown	9.658	1.3	J
6.	!Unknown	22.623	.29	J
7.	!Unknown	22.733	.20	J
8.	!Unknown	22.824	.23	J
9.	!Unknown Alkane	22.986	.38	J
10.	!Unknown	23.097	.37	J
11.	!Unknown	23.198	.21	J
12.	!Unknown	23.249	.23	J
13.	!Unknown	23.329	.36	J
14.	!Unknown	23.441	.35	J
15.	!Unknown Alkane	23.542	.37	J
16.	!Unknown Alkane	23.582	.64	J
17.	!Unknown	23.683	.22	J
18.	!Unknown	23.774	.33	J
19.	!Unknown	23.875	.27	J
20.	!Unknown	24.148	.20	J
21.	!Unknown Alkane	24.269	.64	J
22.	!Unknown	24.481	.21	J
23.	!Unknown	24.653	.23	J
24.	!Unknown Alkane	25.087	.38	J
25.	!Unknown Alkane	26.036	.21	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101777

Lancaster Laboratories Sample No. SW 4585104

05-MET-058 Grab Soil Sample

N(12.5-13)

Former Metro Container Investigation

Collected: 08/16/2005 13:45

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 08/26/2005 at 11:11

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

058--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0031	0.117	mg/kg	1
06925	Thallium	7440-28-0	1.44 J	1.15	2.40	mg/kg	1
06935	Arsenic	7440-38-2	1.82 J	0.805	2.40	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.15	2.40	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.986	2.40	mg/kg	1
06947	Beryllium	7440-41-7	0.707	0.0517	0.601	mg/kg	1
06949	Cadmium	7440-43-9	0.269 J	0.103	0.601	mg/kg	1
06951	Chromium	7440-47-3	36.9	0.637	1.80	mg/kg	1
06953	Copper	7440-50-8	11.4	0.361	1.20	mg/kg	1
06955	Lead	7439-92-1	7.41	0.938	2.40	mg/kg	1
06961	Nickel	7440-02-0	17.3	0.397	1.20	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.228	0.601	mg/kg	1
06972	Zinc	7440-66-6	38.7	0.553	2.40	mg/kg	1
00111	Moisture	n.a.	16.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000204	0.000998	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000204	0.000998	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000204	0.000998	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000397	0.00204	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000397	0.00204	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000397	0.00204	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00204	0.00998	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000204	0.000998	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000204	0.000998	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000252	0.000998	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000204	0.000998	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000397	0.00204	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000397	0.00204	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00481	0.0204	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0132	0.0397	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000204	0.000998	mg/kg	1
01990	Endosulfan II	33213-65-9	0.00201 J	0.000397	0.00204	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000397	0.00204	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000397	0.00204	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101778

**Lancaster Laboratories Sample No. SW 4585104**

**05-MET-058 Grab Soil Sample**

**N(12.5-13)**

**Former Metro Container Investigation**

Collected: 08/16/2005 13:45

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 08/26/2005 at 11:11

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

058--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00889	0.0204	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00397	0.0204	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00577	0.0204	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00361	0.0204	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0132	0.0397	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00397	0.0204	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0132	0.0397	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.60	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.040	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.040	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.040	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.040	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.040	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.080	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	0.45	0.040	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.60	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.080	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.60	mg/kg	1
01195	Pyrene	129-00-0	1.3	0.040	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.76	0.040	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.040	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.040	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.040	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.80	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.60	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.080	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.040	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.040	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.040	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.040	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.040	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.040	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.040	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.040	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.040	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.080	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.60	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101779

Lancaster Laboratories Sample No. SW 4585104

05-MET-058 Grab Soil Sample

N(12.5-13)

Former Metro Container Investigation

Collected: 08/16/2005 13:45

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:11

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

058--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.040	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.040	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.080	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.040	0.20	mg/kg	1
03768	Fluorene	86-73-7	0.27	0.040	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.040	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.080	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.040	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.040	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.040	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.040	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	1.7	0.040	0.20	mg/kg	1
03776	Anthracene	120-12-7	0.99	0.040	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.080	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	0.25	0.040	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.80	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.080	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.67	0.040	0.20	mg/kg	1
03782	Chrysene	218-01-9	0.85	0.040	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.40	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.080	0.40	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.080	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.13 J	0.040	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.040	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.26	0.040	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.043 J	0.040	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.078 J	0.040	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.10 J	0.040	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.043	0.22	mg/kg	35.82
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.022	0.22	mg/kg	35.82
02020	t-Butyl alcohol	75-65-0	N.D.	0.86	4.3	mg/kg	35.82
05444	Chloromethane	74-87-3	N.D.	0.086	0.22	mg/kg	35.82

\*=This limit was used in the evaluation of the final result

AR101780

Lancaster Laboratories Sample No. SW 4585104

05-MET-058 Grab Soil Sample

N(12.5-13)

Former Metro Container Investigation

Collected: 08/16/2005 13:45

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:11

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

058--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.043	0.22	mg/kg	35.82
05446	Bromomethane	74-83-9	N.D.	0.086	0.22	mg/kg	35.82
05447	Chloroethane	75-00-3	N.D.	0.086	0.22	mg/kg	35.82
05448	Trichlorofluoromethane	75-69-4	N.D.	0.086	0.22	mg/kg	35.82
05449	1,1-Dichloroethene	75-35-4	N.D.	0.043	0.22	mg/kg	35.82
05450	Methylene Chloride	75-09-2	N.D.	0.086	0.22	mg/kg	35.82
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.043	0.22	mg/kg	35.82
05452	1,1-Dichloroethane	75-34-3	N.D.	0.043	0.22	mg/kg	35.82
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.043	0.22	mg/kg	35.82
05455	Chloroform	67-66-3	N.D.	0.043	0.22	mg/kg	35.82
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.043	0.22	mg/kg	35.82
05458	Carbon Tetrachloride	56-23-5	N.D.	0.043	0.22	mg/kg	35.82
05460	Benzene	71-43-2	N.D.	0.022	0.22	mg/kg	35.82
05461	1,2-Dichloroethane	107-06-2	N.D.	0.043	0.22	mg/kg	35.82
05462	Trichloroethene	79-01-6	N.D.	0.043	0.22	mg/kg	35.82
05463	1,2-Dichloropropane	78-87-5	N.D.	0.043	0.22	mg/kg	35.82
05465	Bromodichloromethane	75-27-4	N.D.	0.043	0.22	mg/kg	35.82
05466	Toluene	108-88-3	N.D.	0.043	0.22	mg/kg	35.82
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.043	0.22	mg/kg	35.82
05468	Tetrachloroethene	127-18-4	N.D.	0.043	0.22	mg/kg	35.82
05470	Dibromochloromethane	124-48-1	N.D.	0.043	0.22	mg/kg	35.82
05472	Chlorobenzene	108-90-7	N.D.	0.043	0.22	mg/kg	35.82
05474	Ethylbenzene	100-41-4	0.046 J	0.043	0.22	mg/kg	35.82
05478	Bromoform	75-25-2	N.D.	0.043	0.22	mg/kg	35.82
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.043	0.22	mg/kg	35.82
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.043	0.22	mg/kg	35.82
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.043	0.22	mg/kg	35.82
06301	Xylene (Total)	1330-20-7	0.050 J	0.043	0.22	mg/kg	35.82
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.086	0.43	mg/kg	35.82
07586	Acrolein	107-02-8	N.D.	0.86	4.3	mg/kg	35.82
07587	Acrylonitrile	107-13-1	N.D.	0.17	0.86	mg/kg	35.82

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.



Lancaster Laboratories Sample No. SW 4585104

05-MET-058 Grab Soil Sample

N(12.5-13)

Former Metro Container Investigation

Collected: 08/16/2005 13:45

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:11

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

058--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:30		1
06925	Thallium	SW-846 6010B	1	08/19/2005 01:34		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 01:34		1
06936	Selenium	SW-846 6010B	1	08/19/2005 01:34		1
06944	Antimony	SW-846 6010B	1	08/19/2005 01:34		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 01:34		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 01:34		1
06951	Chromium	SW-846 6010B	1	08/19/2005 01:34		1
06953	Copper	SW-846 6010B	1	08/19/2005 01:34		1
06955	Lead	SW-846 6010B	1	08/19/2005 01:34		1
06961	Nickel	SW-846 6010B	1	08/19/2005 01:34		1
06966	Silver	SW-846 6010B	1	08/19/2005 01:34		1
06972	Zinc	SW-846 6010B	1	08/19/2005 01:34		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:26		1
05912	Phenols	SW846 9066	1	08/23/2005 13:49		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 05:17		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 12:36		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 21:14		35.82
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 21:14		35.82
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1

\*=This limit was used in the evaluation of the final result

AR101782

**Lancaster Laboratories Sample No. SW 4585104****05-MET-058 Grab Soil Sample****N(12.5-13)****Former Metro Container Investigation**

Collected: 08/16/2005 13:45

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:11

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

058--

06171 GC/MS - Field Preserved SW-846 5035

1 08/17/2005 12:30

1

MeOH

08389 GC/MS - LL Encore Prep SW-846 5035

1 08/17/2005 08:59

n.a.

08389 GC/MS - LL Encore Prep SW-846 5035

2 08/17/2005 09:00

n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4585104  
 Sample wt/vol: 6.98 (g/mL) g      Lab File ID: HP07566.i/05aug18b.b/rg18s40.d  
 Level: (low/med) MED      Date Received: 08/16/05  
 % Moisture: not dec. 17      Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP      Dilution Factor: 35.8  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	12.02	15	J
2.	!Unknown	12.19	12	J
3.	!Unknown alicyclic	12.55	15	J
4.	!Unknown alicyclic	13.02	16	J
5.	!Unknown aromatic	13.62	16	J
6.	!Unknown aromatic	13.72	17	J
7.	!Unknown aromatic	14.13	14	J
8.	!Unknown aromatic	14.24	27	J
9.	!Unknown aromatic	14.44	17	J
10.	!Unknown aromatic	14.54	32	J
11.	!Unknown aromatic	14.65	11	J
12.	!Unknown aromatic	14.75	16	J
13.	!Unknown aromatic	14.81	17	J
14.	!Unknown aromatic	15.03	17	J
15.	!Unknown aromatic	15.16	15	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101784

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585104  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh240.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 17 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	!2-Pentanone, 4-hydroxy-4-met!	6.674	6.2	JAB
2.	!Unknown Alkane	8.874	3.8	J
3.	!Unknown Alkane	10.592	1.9	J
4.	!Unknown	11.896	2.1	J
5.	!1H-Indene, 2,3-dihydro-1,6-d!	12.405	2.0	JX
6.	!Unknown Alkane	12.535	2.5	J
7.	!Unknown Cycloalkane	13.024	3.4	J
8.	!Unknown Alkane	13.274	2.2	J
9.	!1H-Indene, 2,3-dihydro-4,7-d!	13.654	3.1	JX
10.	!Unknown Cycloalkane	14.305	3.2	J
11.	!Unknown Alkane	14.385	2.2	J
12.	!Unknown Alkane	14.525	2.4	J
13.	!Unknown	15.347	3.5	J
14.	!Unknown Alkane	15.467	5.3	J
15.	!Unknown	16.572	4.4	J
16.	!Unknown Alkane	17.407	5.2	J
17.	!Unknown Alkane	17.972	2.6	J
18.	!Unknown Cycloalkane	18.244	1.9	J
19.	!Unknown Alkane	18.334	2.6	J
20.	!Unknown	18.425	1.9	J
21.	!Unknown	18.647	2.5	J
22.	!Unknown	18.889	2.1	J
23.	!Unknown	19.798	2.8	J
24.	!Unknown Alkane	19.970	1.9	J
25.	!Unknown	20.335	1.9	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101785

Lancaster Laboratories Sample No. SW 4585105

05-MET-057 Grab Soil Sample  
N(10.5-11)  
Former Metro Container Investigation

Collected: 08/16/2005 14:45

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 08/26/2005 at 11:11  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

057--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0097 J	0.0031	0.117	mg/kg	1
06925	Thallium	7440-28-0	2.20 J	1.19	2.47	mg/kg	1
06935	Arsenic	7440-38-2	7.40	0.828	2.47	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.19	2.47	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.01	2.47	mg/kg	1
06947	Beryllium	7440-41-7	1.11	0.0532	0.618	mg/kg	1
06949	Cadmium	7440-43-9	0.402 J	0.106	0.618	mg/kg	1
06951	Chromium	7440-47-3	36.5	0.655	1.85	mg/kg	1
06953	Copper	7440-50-8	12.7	0.371	1.24	mg/kg	1
06955	Lead	7439-92-1	6.81	0.964	2.47	mg/kg	1
06961	Nickel	7440-02-0	26.4	0.408	1.24	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.235	0.618	mg/kg	1
06972	Zinc	7440-66-6	111.	0.569	2.47	mg/kg	1
00111	Moisture	n.a.	19.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	9.4	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00210	0.0103	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00210	0.0103	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00210	0.0103	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00408	0.0210	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00408	0.0210	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00408	0.0210	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0210	0.103	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00210	0.0103	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00210	0.0103	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00260	0.0103	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00210	0.0103	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00408	0.0210	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00408	0.0210	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0494	0.210	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.136	0.408	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00210	0.0103	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00408	0.0210	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00408	0.0210	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00408	0.0210	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101786

**Lancaster Laboratories Sample No. SW 4585105**
**05-MET-057 Grab Soil Sample**
**N(10.5-11)**
**Former Metro Container Investigation**

Collected: 08/16/2005 14:45

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:11

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

057--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0915	0.210	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0408	0.210	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0593	0.210	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0371	0.210	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.136	0.408	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0408	0.210	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.136	0.408	mg/kg	10

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.62	mg/kg	1
01185	Phenol	108-95-2	4.4	0.041	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.082	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	0.19 J	0.041	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.62	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.082	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.62	mg/kg	1
01195	Pyrene	129-00-0	0.90	0.041	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.092 J	0.041	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	0.71	0.12	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	0.23	0.041	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.82	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.62	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.082	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.21	mg/kg	1
03759	Isophorone	78-59-1	0.081 J	0.041	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.041	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101787

Lancaster Laboratories Sample No. SW 4585105

05-MET-057 Grab Soil Sample

N(10.5-11)

Former Metro Container Investigation

Collected: 08/16/2005 14:45

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:11

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

057--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.082	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.62	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.082	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.11 J	0.041	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.082	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.33	0.041	0.21	mg/kg	1
03776	Anthracene	120-12-7	0.50	0.041	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.082	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.18 J	0.041	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.82	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.082	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.48	0.041	0.21	mg/kg	1
03782	Chrysene	218-01-9	0.60	0.041	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.082	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.082	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.10 J	0.041	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.041	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.20 J	0.041	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.049 J	0.041	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.063 J	0.041	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.15 J	0.041	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.82
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.82

\*=This limit was used in the evaluation of the final result

AR101788

Lancaster Laboratories Sample No. SW 4585105

05-MET-057 Grab Soil Sample

N(10.5-11)

Former Metro Container Investigation

Collected: 08/16/2005 14:45

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:11

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

057--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	0.084 J	0.020	0.10	mg/kg	0.82
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.82
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.82
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.82
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.82
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.82
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.82
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.005	mg/kg	0.82
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.82
05452	1,1-Dichloroethane	75-34-3	0.001 J	0.001	0.005	mg/kg	0.82
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.82
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.82
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.82
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.82
05460	Benzene	71-43-2	0.001 J	0.0005	0.005	mg/kg	0.82
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.82
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.82
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.82
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.82
05466	Toluene	108-88-3	0.003 J	0.001	0.005	mg/kg	0.82
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.82
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.82
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.82
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.82
05474	Ethylbenzene	100-41-4	0.009	0.001	0.005	mg/kg	0.82
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.82
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.82
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.82
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.82
06301	Xylene (Total)	1330-20-7	0.021	0.001	0.005	mg/kg	0.82
07586	Acrolein	107-02-8	N.D.	0.020	0.10	mg/kg	0.82
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.020	mg/kg	0.82

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR101789



Lancaster Laboratories Sample No. SW 4585105

05-MET-057 Grab Soil Sample

N(10.5-11)

Former Metro Container Investigation

Collected: 08/16/2005 14:45

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:11

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

057--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:32		1
06925	Thallium	SW-846 6010B	1	08/19/2005 01:38		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 01:38		1
06936	Selenium	SW-846 6010B	1	08/19/2005 01:38		1
06944	Antimony	SW-846 6010B	1	08/19/2005 01:38		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 01:38		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 01:38		1
06951	Chromium	SW-846 6010B	1	08/19/2005 01:38		1
06953	Copper	SW-846 6010B	1	08/19/2005 01:38		1
06955	Lead	SW-846 6010B	1	08/19/2005 01:38		1
06961	Nickel	SW-846 6010B	1	08/19/2005 01:38		1
06966	Silver	SW-846 6010B	1	08/19/2005 01:38		1
06972	Zinc	SW-846 6010B	1	08/19/2005 01:38		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:28		1
05912	Phenols	SW846 9066	1	08/23/2005 13:50		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 05:37		10
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 13:20		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/22/2005 19:38		0.82
07584	PPL Volatiles	SW-846 8260B	1	08/22/2005 19:38		0.82
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1

\*=This limit was used in the evaluation of the final result

AR101790

**Lancaster Laboratories Sample No. SW 4585105****05-MET-057 Grab Soil Sample****N(10.5-11)****Former Metro Container Investigation**

Collected: 08/16/2005 14:45

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:11

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

057--

06171 GC/MS - Field Preserved SW-846 5035

1 08/17/2005 12:31

1

MeOH

08389 GC/MS - LL Encore Prep SW-846 5035

1 08/17/2005 09:00

n.a.

08389 GC/MS - LL Encore Prep SW-846 5035

2 08/17/2005 09:01

n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4585105  
 Sample wt/vol: 6.07 (g/mL) g Lab File ID: HP09193.i/05aug22a.b/xg22s10.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: not dec. 19 Date Analyzed: 08/22/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.95	0.51	J
2.	!Unknown alicyclic	12.93	0.53	J
3.	!Unknown alkane	13.47	0.46	J
4.	!Unknown	13.75	0.51	J
5.	!Unknown alicyclic	13.76	0.46	J
6.	!Unknown aromatic	13.88	0.42	J
7.	!Unknown alicyclic	14.11	0.54	J
8.	!Unknown alkane	14.15	0.74	J
9.	!Unknown alicyclic	14.23	0.64	J
10.	!Unknown aromatic	14.34	0.65	J
11.	!Unknown aromatic	14.45	0.78	J
12.	!Unknown alicyclic	14.49	0.43	J
13.	!Unknown aromatic	14.56	0.45	J
14.	!Unknown aromatic	14.66	0.63	J
15.	!Unknown aromatic	14.80	0.54	J
16.				
17.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101792

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585105  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh241.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 19 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.679	11	JAB
2.	Unknown	9.396	1.2	J
3.	Unknown Cycloalkane	10.141	.86	J
4.95-48-7	Phenol, 2-methyl-	10.340	1.1	J
5.106-44-5	Phenol, 4-methyl-	10.638	1.8	J
6.	Unknown	11.146	.85	J
7.	Unknown Alkane	12.522	1.3	J
8.	Unknown Cycloalkane	13.011	1.7	J
9.	Unknown Cycloalkane	14.291	2.7	J
10.	Unknown Alkane	14.512	2.3	J
11.	Unknown Alkane	17.383	3.6	J
12.	Unknown	19.783	1.2	J
13.	Unknown	19.995	1.1	J
14.	Phenanthrene, 1-methyl-	20.106	1.9	JX
15.	1H-Cyclopropa[1]phenanthrene	20.248	1.8	JX
16.	Anthracene, 1-methyl-	20.329	1.9	JX
17.	Unknown Alkane	20.531	1.4	J
18.	Phenanthrene, 4,5-dimethyl-	20.936	1.1	JX
19.	Phenanthrene, 2,7-dimethyl-	20.986	1.6	JX
20.	Phenanthrene, 2,3-dimethyl-	21.128	1.5	JX
21.	Unknown	21.209	1.4	J
22.	Unknown	21.534	1.1	J
23.	Pyrene, 2-methyl-	22.600	.76	JX
24.	Unknown	22.641	1.1	J
25.	Pyrene, 1-methyl-	22.814	1.1	JX
26.				
27.				
28.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101793

**Lancaster Laboratories Sample No. G5 4585106**

**TB081605 Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation**

Collected: 08/16/2005

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 08/26/2005 at 11:12  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB816

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	mg/kg	50
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	50
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.0	mg/kg	50
05444	Chloromethane	74-87-3	N.D.	0.10	0.25	mg/kg	50
05445	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	mg/kg	50
05446	Bromomethane	74-83-9	N.D.	0.10	0.25	mg/kg	50
05447	Chloroethane	75-00-3	N.D.	0.10	0.25	mg/kg	50
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	mg/kg	50
05449	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	mg/kg	50
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.25	mg/kg	50
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	mg/kg	50
05452	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	mg/kg	50
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	mg/kg	50
05455	Chloroform	67-66-3	N.D.	0.050	0.25	mg/kg	50
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	mg/kg	50
05458	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	mg/kg	50
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	mg/kg	50
05462	Trichloroethene	79-01-6	N.D.	0.050	0.25	mg/kg	50
05463	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	mg/kg	50
05465	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	mg/kg	50
05466	Toluene	108-88-3	N.D.	0.050	0.25	mg/kg	50
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	mg/kg	50
05468	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	mg/kg	50
05470	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	mg/kg	50
05472	Chlorobenzene	108-90-7	N.D.	0.050	0.25	mg/kg	50
05474	Ethylbenzene	100-41-4	N.D.	0.050	0.25	mg/kg	50
05478	Bromoform	75-25-2	N.D.	0.050	0.25	mg/kg	50
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	mg/kg	50
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	mg/kg	50
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	mg/kg	50
06301	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	mg/kg	50
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.50	mg/kg	50
07586	Acrolein	107-02-8	N.D.	1.0	5.0	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR101794

Lancaster Laboratories Sample No. G5 4585106

TB081605 Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation

Collected: 08/16/2005

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 08/26/2005 at 11:12  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB816

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	50
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 18:15		50
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 18:15		50
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/17/2005 12:36		1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4585106	SDG No.: _____
Sample wt/vol: 5.0 (g/mL) g	Lab File ID: HP07566.i/05aug18b.b/rg18s32.d	
Level: (low/med) MED	Date Received: 08/16/05	
% Moisture: not dec. N/A	Date Analyzed: 08/18/05	
Column: (pack/cap) CAP	Dilution Factor: 50.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) mg/Kg	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101796

**Lancaster Laboratories Sample No. SW 4585107**
**05-MET-060S Grab Soil Sample**
**N(1.5-2.0)**
**N(1.5-2.0)**
**Former Metro Container Investigation**

Collected: 08/16/2005 09:25

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:12

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

060S-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0032	0.121	mg/kg	1
06925	Thallium	7440-28-0	3.07	1.15	2.39	mg/kg	1
06935	Arsenic	7440-38-2	5.11	0.802	2.39	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.15	2.39	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.982	2.39	mg/kg	1
06947	Beryllium	7440-41-7	0.712	0.0515	0.599	mg/kg	1
06949	Cadmium	7440-43-9	1.71	0.103	0.599	mg/kg	1
06951	Chromium	7440-47-3	28.5	0.634	1.80	mg/kg	1
06953	Copper	7440-50-8	24.5	0.359	1.20	mg/kg	1
06955	Lead	7439-92-1	23.0	0.934	2.39	mg/kg	1
06961	Nickel	7440-02-0	13.3	0.395	1.20	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.227	0.599	mg/kg	1
06972	Zinc	7440-66-6	479.	0.551	2.39	mg/kg	1
00111	Moisture	n.a.	18.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.58	mg/kg	1
Matrix QC was performed on this sample for the cyanide analysis. Please see the attached QC Summary report for the parameter showing a matrix bias.							
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00415	0.0203	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00415	0.0203	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00415	0.0203	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00806	0.0415	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00806	0.0415	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00806	0.0415	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0415	0.203	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00415	0.0203	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00415	0.0203	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00513	0.0203	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00415	0.0203	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00806	0.0415	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00806	0.0415	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0977	0.415	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.269	0.806	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00415	0.0203	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101797



Lancaster Laboratories Sample No. SW 4585107

05-MET-060S Grab Soil Sample

N(1.5-2.0)

N(1.5-2.0)

Former Metro Container Investigation

Collected: 08/16/2005 09:25

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:12

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

060S-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01990	Endosulfan II	33213-65-9	N.D.	0.00806	0.0415	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00806	0.0415	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00806	0.0415	mg/kg	20
01993	PCB-1016	12674-11-2	N.D.	0.181	0.415	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0806	0.415	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.117	0.415	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0733	0.415	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.269	0.806	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0806	0.415	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.269	0.806	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.2	6.1	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.41	2.0	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.41	2.0	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.41	2.0	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.41	2.0	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.41	2.0	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.81	2.0	mg/kg	10
01191	Acenaphthene	83-32-9	1.5 J	0.41	2.0	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.0	6.1	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.81	2.0	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.0	6.1	mg/kg	10
01195	Pyrene	129-00-0	8.1	0.41	2.0	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	0.51 J	0.41	2.0	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.41	2.0	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.2	2.0	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.41	2.0	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.41	2.0	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.1	24.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.0	6.1	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.81	2.0	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.41	2.0	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.41	2.0	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.41	2.0	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101798

Lancaster Laboratories Sample No. SW 4585107

05-MET-060S Grab Soil Sample

N(1.5-2.0)

N(1.5-2.0)

Former Metro Container Investigation

Collected: 08/16/2005 09:25

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:12

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

060S-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.41	2.0	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.41	2.0	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.41	2.0	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.41	2.0	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.41	2.0	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	0.41	2.0	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.81	2.0	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.0	6.1	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.41	2.0	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.41	2.0	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.81	2.0	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.41	2.0	mg/kg	10
03768	Fluorene	86-73-7	1.5 J	0.41	2.0	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.41	2.0	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.81	2.0	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.41	2.0	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.41	2.0	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.41	2.0	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.41	2.0	mg/kg	10
03775	Phenanthrene	85-01-8	3.4	0.41	2.0	mg/kg	10
03776	Anthracene	120-12-7	2.6	0.41	2.0	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.81	2.0	mg/kg	10
03778	Fluoranthene	206-44-0	3.5	0.41	2.0	mg/kg	10
03779	Benzidine	92-87-5	N.D.	8.1	24.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.81	2.0	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	5.3	0.41	2.0	mg/kg	10
03782	Chrysene	218-01-9	6.5	0.41	2.0	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.2	4.1	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.81	4.1	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.81	2.0	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	1.9 J	0.41	2.0	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	0.56 J	0.41	2.0	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	2.5	0.41	2.0	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.75 J	0.41	2.0	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	0.63 J	0.41	2.0	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	1.1 J	0.41	2.0	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4585107

05-MET-060S Grab Soil Sample

N(1.5-2.0)

N(1.5-2.0)

Former Metro Container Investigation

Collected: 08/16/2005 09:25

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:12

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

060S-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.						
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.055	0.27	mg/kg	44.64
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.027	0.27	mg/kg	44.64
02020	t-Butyl alcohol	75-65-0	N.D.	1.1	5.5	mg/kg	44.64
05444	Chloromethane	74-87-3	N.D.	0.11	0.27	mg/kg	44.64
05445	Vinyl Chloride	75-01-4	N.D.	0.055	0.27	mg/kg	44.64
05446	Bromomethane	74-83-9	N.D.	0.11	0.27	mg/kg	44.64
05447	Chloroethane	75-00-3	N.D.	0.11	0.27	mg/kg	44.64
05448	Trichlorofluoromethane	75-69-4	N.D.	0.11	0.27	mg/kg	44.64
05449	1,1-Dichloroethene	75-35-4	N.D.	0.055	0.27	mg/kg	44.64
05450	Methylene Chloride	75-09-2	N.D.	0.11	0.27	mg/kg	44.64
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.055	0.27	mg/kg	44.64
05452	1,1-Dichloroethane	75-34-3	N.D.	0.055	0.27	mg/kg	44.64
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.055	0.27	mg/kg	44.64
05455	Chloroform	67-66-3	N.D.	0.055	0.27	mg/kg	44.64
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.055	0.27	mg/kg	44.64
05458	Carbon Tetrachloride	56-23-5	N.D.	0.055	0.27	mg/kg	44.64
05460	Benzene	71-43-2	N.D.	0.027	0.27	mg/kg	44.64
05461	1,2-Dichloroethane	107-06-2	N.D.	0.055	0.27	mg/kg	44.64
05462	Trichloroethene	79-01-6	N.D.	0.055	0.27	mg/kg	44.64
05463	1,2-Dichloropropane	78-87-5	N.D.	0.055	0.27	mg/kg	44.64
05465	Bromodichloromethane	75-27-4	N.D.	0.055	0.27	mg/kg	44.64
05466	Toluene	108-88-3	N.D.	0.055	0.27	mg/kg	44.64
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.055	0.27	mg/kg	44.64
05468	Tetrachloroethene	127-18-4	N.D.	0.055	0.27	mg/kg	44.64
05470	Dibromochloromethane	124-48-1	N.D.	0.055	0.27	mg/kg	44.64
05472	Chlorobenzene	108-90-7	N.D.	0.055	0.27	mg/kg	44.64
05474	Ethylbenzene	100-41-4	N.D.	0.055	0.27	mg/kg	44.64
05478	Bromoform	75-25-2	N.D.	0.055	0.27	mg/kg	44.64
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.055	0.27	mg/kg	44.64
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.055	0.27	mg/kg	44.64
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.055	0.27	mg/kg	44.64
06301	Xylene (Total)	1330-20-7	0.15 J	0.055	0.27	mg/kg	44.64

\*=This limit was used in the evaluation of the final result

AR101800

Lancaster Laboratories Sample No. SW 4585107

05-MET-060S Grab Soil Sample

N(1.5-2.0)

N(1.5-2.0)

Former Metro Container Investigation

Collected: 08/16/2005 09:25

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:12

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

060S-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.11	0.55	mg/kg	44.64
07586	Acrolein	107-02-8	N.D.	1.1	5.5	mg/kg	44.64
07587	Acrylonitrile	107-13-1	N.D.	0.22	1.1	mg/kg	44.64
The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:33		1
06925	Thallium	SW-846 6010B	1	08/19/2005 01:43		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 01:43		1
06936	Selenium	SW-846 6010B	1	08/19/2005 01:43		1
06944	Antimony	SW-846 6010B	1	08/19/2005 01:43		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 01:43		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 01:43		1
06951	Chromium	SW-846 6010B	1	08/19/2005 01:43		1
06953	Copper	SW-846 6010B	1	08/19/2005 01:43		1
06955	Lead	SW-846 6010B	1	08/19/2005 01:43		1
06961	Nickel	SW-846 6010B	1	08/19/2005 01:43		1
06966	Silver	SW-846 6010B	1	08/19/2005 01:43		1
06972	Zinc	SW-846 6010B	1	08/19/2005 01:43		1

\*=This limit was used in the evaluation of the final result

AR101801

Lancaster Laboratories Sample No. SW 4585107

05-MET-060S Grab Soil Sample

N(1.5-2.0)

N(1.5-2.0)

Former Metro Container Investigation

Collected: 08/16/2005 09:25

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:12

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

060S-

00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:29		1
05912	Phenols	SW846 9066	1	08/23/2005 13:51		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 06:19		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 14:03		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 23:06		44.64
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 23:06		44.64
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/17/2005 12:38		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/17/2005 09:01		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/17/2005 09:02		n.a.

\*=This limit was used in the evaluation of the final result

AR101802

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4585107  
 Sample wt/vol: 5.6 (g/mL) g      Lab File ID: HP07566.i/05aug18b.b/rg18s45.d  
 Level: (low/med) MED      Date Received: 08/16/05  
 % Moisture: not dec. 18      Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP      Dilution Factor: 44.6  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	12.02	4.8	J
2.	!Unknown alicyclic	12.55	6.1	J
3.	!Unknown alicyclic	13.02	7.4	J
4.	!Unknown	13.41	4.5	J
5.	!Unknown aromatic	13.62	4.7	J
6.	!Unknown aromatic	13.72	5.5	J
7.	!Unknown aromatic	14.13	4.1	J
8.	!Unknown aromatic	14.24	6.8	J
9.	!Unknown aromatic	14.44	5.0	J
10.	!Unknown aromatic	14.54	9.4	J
11.	!Unknown	14.75	4.8	J
12.	!Unknown aromatic	14.81	6.8	J
13.	!Unknown aromatic	14.90	4.2	J
14.	!Unknown aromatic	15.16	4.6	J
15.	!Unknown aromatic	15.27	4.3	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101803

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585107  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh242.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.625	16	JAB
2.	Unknown Alkane	8.872	12	J
3.	Unknown Alkane	10.369	11	J
4.	Unknown Alkane	12.366	7.3	J
5.	Unknown Alkane	12.525	7.7	J
6.	Unknown	13.013	8.6	J
7.	Unknown Alkane	13.632	7.3	J
8.	Unknown Alkane	13.821	7.0	J
9.	Unknown	15.450	16	J
10.	Unknown Cycloalkane	16.593	11	J
11.	Unknown Alkane	17.386	18	J
12.	Unknown Alkane	17.939	5.7	J
13.	Unknown Alkane	18.311	6.0	J
14.	Unknown	18.401	6.4	J
15.	Unknown	19.772	7.4	J
16.	Unknown Cycloalkane	19.974	7.3	J
17.	Unknown	20.318	7.9	J
18.	Phenanthrene, 4,5-dimethyl-	20.925	5.7	JX
19.	Unknown Alkane	22.415	7.5	J
20.	Unknown	22.639	7.9	J
21.	Unknown Cycloalkane	22.771	7.9	J
22.	Pyrene, 1-methyl-	22.822	11	JX
23.	Unknown Alkane	23.606	10	J
24.	Unknown Alkane	24.288	8.3	J
25.	Unknown	24.472	7.5	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101804

Lancaster Laboratories Sample No. SW 4585108

05-MET-011 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/16/2005 08:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:13

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-011-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.245	0.0031	0.117	mg/kg	1
06925	Thallium	7440-28-0	1.40 J	1.17	2.44	mg/kg	1
06935	Arsenic	7440-38-2	26.3	0.816	2.44	mg/kg	1
06936	Selenium	7782-49-2	1.36 J	1.17	2.44	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.999	2.44	mg/kg	1
06947	Beryllium	7440-41-7	0.743	0.0524	0.609	mg/kg	1
06949	Cadmium	7440-43-9	0.831	0.105	0.609	mg/kg	1
06951	Chromium	7440-47-3	22.8	0.646	1.83	mg/kg	1
06953	Copper	7440-50-8	36.9	0.365	1.22	mg/kg	1
06955	Lead	7439-92-1	152.	0.950	2.44	mg/kg	1
06961	Nickel	7440-02-0	17.1	0.402	1.22	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.231	0.609	mg/kg	1
06972	Zinc	7440-66-6	167.	0.560	2.44	mg/kg	1
00111	Moisture	n.a.	17.9	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.60	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00414	0.0202	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00414	0.0202	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00414	0.0202	mg/kg	20
01221	p,p-DDT	50-29-3	0.0171 J	0.00804	0.0414	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00804	0.0414	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00804	0.0414	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0414	0.202	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00414	0.0202	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00414	0.0202	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00512	0.0202	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00414	0.0202	mg/kg	20
01985	p,p-DDE	72-55-9	0.0209 J	0.00804	0.0414	mg/kg	20
01986	p,p-DDD	72-54-8	0.0256 J	0.00804	0.0414	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0974	0.414	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.268	0.804	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00414	0.0202	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00804	0.0414	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00804	0.0414	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00804	0.0414	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101805



Lancaster Laboratories Sample No. SW 4585108

05-MET-011 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/16/2005 08:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 08/26/2005 at 11:13

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-011-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.180	0.414	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0804	0.414	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.117	0.414	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0731	0.414	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.268	0.804	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0804	0.414	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.268	0.804	mg/kg	20

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.2	6.1	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.41	2.0	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.41	2.0	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.41	2.0	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.41	2.0	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.41	2.0	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.81	2.0	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	0.41	2.0	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	2.0	6.1	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.81	2.0	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	2.0	6.1	mg/kg	10
01195	Pyrene	129-00-0	2.2	0.41	2.0	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.41	2.0	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.41	2.0	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.2	2.0	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.41	2.0	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.41	2.0	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.1	24.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.0	6.1	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.81	2.0	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.41	2.0	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.41	2.0	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.41	2.0	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.41	2.0	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.41	2.0	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.41	2.0	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.41	2.0	mg/kg	10

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. SW 4585108**
**05-MET-011 Grab Soil Sample**
**N(2-2.5)**
**Former Metro Container Investigation**

Collected: 08/16/2005 08:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:13

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-011-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.41	2.0	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	0.41	2.0	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.81	2.0	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.0	6.1	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.41	2.0	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.41	2.0	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.81	2.0	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.41	2.0	mg/kg	10
03768	Fluorene	86-73-7	N.D.	0.41	2.0	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.41	2.0	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.81	2.0	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.41	2.0	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.41	2.0	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.41	2.0	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.41	2.0	mg/kg	10
03775	Phenanthrene	85-01-8	1.2 J	0.41	2.0	mg/kg	10
03776	Anthracene	120-12-7	N.D.	0.41	2.0	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.81	2.0	mg/kg	10
03778	Fluoranthene	206-44-0	2.2	0.41	2.0	mg/kg	10
03779	Benzidine	92-87-5	N.D.	8.1	24.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.81	2.0	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	1.4 J	0.41	2.0	mg/kg	10
03782	Chrysene	218-01-9	1.6 J	0.41	2.0	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.2	4.1	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.81	4.1	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.81	2.0	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	1.9 J	0.41	2.0	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	0.68 J	0.41	2.0	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	1.5 J	0.41	2.0	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.98 J	0.41	2.0	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	0.52 J	0.41	2.0	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	1.2 J	0.41	2.0	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

AR101807

Lancaster Laboratories Sample No. SW 4585108

05-MET-011 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/16/2005 08:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:13

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-011-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.09
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.09
02020	t-Butyl alcohol	75-65-0	N.D.	0.027	0.13	mg/kg	1.09
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.09
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.09
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.09
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.09
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.09
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.09
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.09
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.09
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1.09
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1.09
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.09
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.09
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.09
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	1.09
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.09
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.09
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.09
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.09
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	1.09
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.09
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.09
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.09
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.09
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	1.09
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.09
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.09
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.09
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.09
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	1.09
07586	Acrolein	107-02-8	N.D.	0.027	0.13	mg/kg	1.09
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.027	mg/kg	1.09

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4585108

05-MET-011 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/16/2005 08:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:13

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-011-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:34		1
06925	Thallium	SW-846 6010B	1	08/19/2005 01:48		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 01:48		1
06936	Selenium	SW-846 6010B	1	08/19/2005 01:48		1
06944	Antimony	SW-846 6010B	1	08/19/2005 01:48		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 01:48		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 01:48		1
06951	Chromium	SW-846 6010B	1	08/19/2005 01:48		1
06953	Copper	SW-846 6010B	1	08/19/2005 01:48		1
06955	Lead	SW-846 6010B	1	08/19/2005 01:48		1
06961	Nickel	SW-846 6010B	1	08/19/2005 01:48		1
06966	Silver	SW-846 6010B	1	08/19/2005 01:48		1
06972	Zinc	SW-846 6010B	1	08/19/2005 01:48		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:32		1
05912	Phenols	SW846 9066	1	08/23/2005 13:52		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 06:39		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 14:47		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/22/2005 22:53		1.09
07584	PPL Volatiles	SW-846 8260B	1	08/22/2005 22:53		1.09
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1

\*=This limit was used in the evaluation of the final result

AR101809

**Lancaster Laboratories Sample No. SW 4585108**

**05-MET-011 Grab Soil Sample**

**N(2-2.5)**

**Former Metro Container Investigation**

Collected: 08/16/2005 08:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:13

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-011-

05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/17/2005 12:41		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/17/2005 09:02		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/17/2005 09:03		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4585108  
 Sample wt/vol: 4.6 (g/mL) g      Lab File ID: HP09193.i/05aug22b.b/xg22s30.d  
 Level: (low/med) LOW      Date Received: 08/16/05  
 % Moisture: not dec. 18      Date Analyzed: 08/22/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	10.23	0.008	J B
2.	Unknown siloxane	12.26	0.014	J B
3.	Unknown siloxane	13.57	0.008	J
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5.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101811

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585108  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh243.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 2 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.623	19	JAB
2.	Unknown Alkane	27.190	1.7	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101812

Lancaster Laboratories Sample No. SW 4585109

05-MET-006 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/16/2005 09:10

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:14

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-006-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0661 J	0.0031	0.118	mg/kg	1
06925	Thallium	7440-28-0	1.62 J	1.13	2.35	mg/kg	1
06935	Arsenic	7440-38-2	4.62	0.786	2.35	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.13	2.35	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.961	2.35	mg/kg	1
06947	Beryllium	7440-41-7	0.535 J	0.0504	0.586	mg/kg	1
06949	Cadmium	7440-43-9	0.618	0.101	0.586	mg/kg	1
06951	Chromium	7440-47-3	25.6	0.621	1.76	mg/kg	1
06953	Copper	7440-50-8	10.4	0.352	1.17	mg/kg	1
06955	Lead	7439-92-1	55.5	0.915	2.35	mg/kg	1
06961	Nickel	7440-02-0	9.95	0.387	1.17	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.223	0.586	mg/kg	1
06972	Zinc	7440-66-6	36.1	0.539	2.35	mg/kg	1
00111	Moisture	n.a.	17.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.57	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00205	0.0100	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00205	0.0100	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00205	0.0100	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00399	0.0205	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00399	0.0205	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00399	0.0205	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0205	0.100	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00205	0.0100	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00205	0.0100	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00254	0.0100	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00205	0.0100	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00399	0.0205	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00399	0.0205	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0483	0.205	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.133	0.399	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00205	0.0100	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00399	0.0205	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00399	0.0205	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00399	0.0205	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101813



**Lancaster Laboratories Sample No. SW 4585109**

**05-MET-006 Grab Soil Sample**

**N(2.5-3.0)**

**Former Metro Container Investigation**

Collected: 08/16/2005 09:10

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:14

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-006-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0894	0.205	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0399	0.205	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0580	0.205	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0362	0.205	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.133	0.399	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0399	0.205	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.133	0.399	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

**04688 PPL Semivolatiles**

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.60	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.040	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.040	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.040	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.040	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.040	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.081	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.040	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.60	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.081	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.60	mg/kg	1
01195	Pyrene	129-00-0	3.0	0.040	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.040	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.040	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.040	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.040	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.81	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.60	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.081	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.040	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.040	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.040	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.040	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.040	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.040	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.040	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101814

Lancaster Laboratories Sample No. SW 4585109

05-MET-006 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/16/2005 09:10

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:14

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-006-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.040	0.20	mg/kg	1
03761	Naphthalene	91-20-3	0.040 J	0.040	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.081	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.60	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.040	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	0.14 J	0.040	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.081	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.040	0.20	mg/kg	1
03768	Fluorene	86-73-7	0.061 J	0.040	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.040	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.081	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.040	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.040	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.040	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.040	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	0.73	0.040	0.20	mg/kg	1
03776	Anthracene	120-12-7	0.28	0.040	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.081	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	2.8	0.040	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.81	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.081	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.6	0.040	0.20	mg/kg	1
03782	Chrysene	218-01-9	1.6	0.040	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.40	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.081	0.40	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.081	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	1.9	0.040	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.92	0.040	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.7	0.040	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.91	0.040	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.27	0.040	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.88	0.040	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	1.03
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR101815

Lancaster Laboratories Sample No. SW 4585109

05-MET-006 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/16/2005 09:10

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:14

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-006-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	1.03
02020	t-Butyl alcohol	75-65-0	N.D.	0.025	0.12	mg/kg	1.03
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	1.03
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	1.03
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	1.03
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	1.03
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	1.03
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	1.03
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	1.03
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	1.03
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	1.03
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	1.03
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	1.03
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	1.03
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	1.03
05460	Benzene	71-43-2	0.024	0.0006	0.006	mg/kg	1.03
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	1.03
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	1.03
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	1.03
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	1.03
05466	Toluene	108-88-3	0.002 J	0.001	0.006	mg/kg	1.03
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	1.03
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	1.03
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	1.03
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	1.03
05474	Ethylbenzene	100-41-4	0.001 J	0.001	0.006	mg/kg	1.03
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	1.03
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	1.03
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	1.03
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	1.03
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	1.03
07586	Acrolein	107-02-8	N.D.	0.025	0.12	mg/kg	1.03
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.025	mg/kg	1.03

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR101816

Lancaster Laboratories Sample No. SW 4585109

05-MET-006 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/16/2005 09:10

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:14

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-006-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:35		1
06925	Thallium	SW-846 6010B	1	08/19/2005 01:53		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 01:53		1
06936	Selenium	SW-846 6010B	1	08/19/2005 01:53		1
06944	Antimony	SW-846 6010B	1	08/19/2005 01:53		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 01:53		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 01:53		1
06951	Chromium	SW-846 6010B	1	08/19/2005 01:53		1
06953	Copper	SW-846 6010B	1	08/19/2005 01:53		1
06955	Lead	SW-846 6010B	1	08/19/2005 01:53		1
06961	Nickel	SW-846 6010B	1	08/19/2005 01:53		1
06966	Silver	SW-846 6010B	1	08/19/2005 01:53		1
06972	Zinc	SW-846 6010B	1	08/19/2005 01:53		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:33		1
05912	Phenols	SW846 9066	1	08/23/2005 13:54		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 07:00		10
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 15:30		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 15:56		1.03
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 15:56		1.03
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1

\*=This limit was used in the evaluation of the final result

AR101817

**Lancaster Laboratories Sample No. SW 4585109**

**05-MET-006 Grab Soil Sample**

**N(2.5-3.0)**

**Former Metro Container Investigation**

Collected: 08/16/2005 09:10

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:14

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-006-

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/17/2005 12:42		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/17/2005 09:04		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/17/2005 09:05		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4585109  
 Sample wt/vol: 4.87 (g/mL) g      Lab File ID: HP09193.i/05aug18a.b/xg18s04.d  
 Level: (low/med) LOW      Date Received: 08/16/05  
 % Moisture: not dec. 17      Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.95	2.8	J B
2. 75-15-0	Carbon disulfide	3.87	0.26	J B
3.	Unknown siloxane	10.24	0.008	J B
4.	Unknown siloxane	12.26	0.022	J B
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101819

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585109  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh244.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 17 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 17 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	5.673	.30	JA
2.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.671	.14	JAB
3.	Anthracene, 9-methyl-	20.145	.28	JX
4.	Anthracene, 1-methyl-	20.235	.32	JX
5.	Unknown	20.315	1.1	J
6.	Unknown	20.425	.34	J
7.	Unknown	20.475	.38	J
8.	Phenanthrene, 2,5-dimethyl-	21.115	.25	JX
9.	Unknown	21.275	.25	J
10.	Fluoranthene, 2-methyl-	22.196	.19	JX
11.	11H-Benzo[b]fluorene	22.397	.38	JX
12.	Pyrene, 2-methyl-	22.578	.17	JX
13.	Unknown	24.267	.17	J
14.	Benz[a]anthracene, 11-methyl	24.941	.16	JX
15.	Benzo[k]fluoranthene	27.251	.58	JX
16.	Perylene	27.913	1.5	JX
17.	Perylene	28.425	.60	JX
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101820

Lancaster Laboratories Sample No. SW 4585110

05-MET-132 Grab Soil Sample

N(11-11.5)

Former Metro Container Investigation

Collected: 08/16/2005 10:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 08/26/2005 at 11:15

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-132-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0031	0.115	mg/kg	1
06925	Thallium	7440-28-0	2.08 J	1.13	2.36	mg/kg	1
06935	Arsenic	7440-38-2	2.09 J	0.790	2.36	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.13	2.36	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.967	2.36	mg/kg	1
06947	Beryllium	7440-41-7	0.626	0.0507	0.590	mg/kg	1
06949	Cadmium	7440-43-9	0.527 J	0.101	0.590	mg/kg	1
06951	Chromium	7440-47-3	22.5	0.625	1.77	mg/kg	1
06953	Copper	7440-50-8	11.7	0.354	1.18	mg/kg	1
06955	Lead	7439-92-1	8.74	0.920	2.36	mg/kg	1
06961	Nickel	7440-02-0	16.2	0.389	1.18	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.224	0.590	mg/kg	1
06972	Zinc	7440-66-6	41.5	0.542	2.36	mg/kg	1
00111	Moisture	n.a.	15.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000200	0.000979	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000200	0.000979	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000200	0.000979	mg/kg	1
01221	p,p-DDT	50-29-3	0.00189 J	0.000389	0.00200	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000389	0.00200	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000389	0.00200	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00200	0.00979	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000200	0.000979	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000200	0.000979	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000248	0.000979	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000200	0.000979	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000389	0.00200	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000389	0.00200	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00472	0.0200	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0130	0.0389	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000200	0.000979	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000389	0.00200	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000389	0.00200	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000389	0.00200	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101821



Lancaster Laboratories Sample No. SW 4585110

05-MET-132 Grab Soil Sample

N(11-11.5)

Former Metro Container Investigation

Collected: 08/16/2005 10:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 08/26/2005 at 11:15

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-132-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00873	0.0200	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00389	0.0200	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00566	0.0200	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00354	0.0200	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0130	0.0389	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00389	0.0200	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0130	0.0389	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.59	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.039	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.039	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.039	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.039	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.039	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.079	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.039	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.59	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.079	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.59	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.039	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.039	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.039	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.039	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.039	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.79	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.59	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.079	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.039	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.039	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.039	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.039	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.039	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.039	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.039	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.039	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.039	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.079	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.59	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101822

Lancaster Laboratories Sample No. SW 4585110

05-MET-132 Grab Soil Sample

N(11-11.5)

Former Metro Container Investigation

Collected: 08/16/2005 10:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 08/26/2005 at 11:15

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-132-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.039	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.039	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.079	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.039	0.20	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.039	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.039	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.079	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.039	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.039	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.039	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.039	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.039	0.20	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.039	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.079	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.039	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.79	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.079	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.039	0.20	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.039	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.39	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.079	0.39	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.079	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.039	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.039	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.039	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.039	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.039	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.039	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.92
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.92
02020	t-Butyl alcohol	75-65-0	N.D.	0.022	0.11	mg/kg	0.92
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.92

\*=This limit was used in the evaluation of the final result

AR101823

Lancaster Laboratories Sample No. SW 4585110

05-MET-132 Grab Soil Sample

N(11-11.5)

Former Metro Container Investigation

Collected: 08/16/2005 10:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:15

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-132-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.92
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.92
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.92
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.92
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.92
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.005	mg/kg	0.92
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.92
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	0.92
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.92
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.92
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.92
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.92
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	0.92
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.92
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.92
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.92
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.92
05466	Toluene	108-88-3	N.D.	0.001	0.005	mg/kg	0.92
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.92
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.92
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.92
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.92
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.005	mg/kg	0.92
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.92
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.92
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.92
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.92
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	mg/kg	0.92
07586	Acrolein	107-02-8	N.D.	0.022	0.11	mg/kg	0.92
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.022	mg/kg	0.92

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR101824

Lancaster Laboratories Sample No. SW 4585110

05-MET-132 Grab Soil Sample

N(11-11.5)

Former Metro Container Investigation

Collected: 08/16/2005 10:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:15

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-132-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:37		1
06925	Thallium	SW-846 6010B	1	08/19/2005 01:57		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 01:57		1
06936	Selenium	SW-846 6010B	1	08/19/2005 01:57		1
06944	Antimony	SW-846 6010B	1	08/19/2005 01:57		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 01:57		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 01:57		1
06951	Chromium	SW-846 6010B	1	08/19/2005 01:57		1
06953	Copper	SW-846 6010B	1	08/19/2005 01:57		1
06955	Lead	SW-846 6010B	1	08/19/2005 01:57		1
06961	Nickel	SW-846 6010B	1	08/19/2005 01:57		1
06966	Silver	SW-846 6010B	1	08/19/2005 01:57		1
06972	Zinc	SW-846 6010B	1	08/19/2005 01:57		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:35		1
05912	Phenols	SW846 9066	1	08/23/2005 13:57		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 07:20		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 16:13		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 16:19		0.92
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 16:19		0.92
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/17/2005 12:44		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/17/2005 09:05		n.a.

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8

Lancaster Laboratories Sample No. SW 4585110

05-MET-132 Grab Soil Sample

N(11-11.5)

Former Metro Container Investigation

Collected: 08/16/2005 10:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:15

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-132-

08389 GC/MS - LL Encore Prep

SW-846 5035

2 08/17/2005 09:06

n.a.

\*=This limit was used in the evaluation of the final result

AR101826

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4585110  
 Sample wt/vol: 5.44 (g/mL) g      Lab File ID: HP09193.i/05aug18a.b/xg18s05.d  
 Level: (low/med) LOW      Date Received: 08/16/05  
 % Moisture: not dec. 15      Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.87	0.092	J B
2.	Unknown siloxane	12.26	0.008	J B
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101827

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585110  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh245.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 15 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 5 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	5.672	.23	JA
2.	Unknown	6.176	.18	J
3.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.670	.14	JAB
4.	Unknown	8.005	.26	J
5.	Unknown	22.853	.54	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101828

Lancaster Laboratories Sample No. SW 4585111

05-MET-018 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/16/2005 13:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 08/26/2005 at 11:15

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-018-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.114	0.0029	0.109	mg/kg	1
06925	Thallium	7440-28-0	2.02 J	1.05	2.20	mg/kg	1
06935	Arsenic	7440-38-2	9.29	0.736	2.20	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.05	2.20	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.901	2.20	mg/kg	1
06947	Beryllium	7440-41-7	1.29	0.0472	0.549	mg/kg	1
06949	Cadmium	7440-43-9	0.905	0.0945	0.549	mg/kg	1
06951	Chromium	7440-47-3	28.7	0.582	1.65	mg/kg	1
06953	Copper	7440-50-8	36.5	0.329	1.10	mg/kg	1
06955	Lead	7439-92-1	68.6	0.857	2.20	mg/kg	1
06961	Nickel	7440-02-0	13.6	0.362	1.10	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.209	0.549	mg/kg	1
06972	Zinc	7440-66-6	74.1	0.505	2.20	mg/kg	1
00111	Moisture	n.a.	11.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.20	0.55	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	3.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00192	0.00939	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00192	0.00939	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00192	0.00939	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00373	0.0192	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00373	0.0192	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00373	0.0192	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0192	0.0939	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00192	0.00939	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00192	0.00939	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00238	0.00939	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00192	0.00939	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00373	0.0192	mg/kg	10
01986	p,p-DDD	72-54-8	0.00730 J	0.00373	0.0192	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0452	0.192	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.124	0.373	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00192	0.00939	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00373	0.0192	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00373	0.0192	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00373	0.0192	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101829



Lancaster Laboratories Sample No. SW 4585111

05-MET-018 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/16/2005 13:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 08/26/2005 at 11:15

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-018-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0837	0.192	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0373	0.192	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0543	0.192	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0339	0.192	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.124	0.373	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0373	0.192	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.124	0.373	mg/kg	10

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.11	0.57	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.038	0.19	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.038	0.19	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.038	0.19	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.038	0.19	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.038	0.19	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.075	0.19	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.038	0.19	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.19	0.57	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.075	0.19	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.19	0.57	mg/kg	1
01195	Pyrene	129-00-0	0.31	0.038	0.19	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.038	0.19	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.038	0.19	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.11	0.19	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.038	0.19	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.038	0.19	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.75	2.3	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.19	0.57	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.075	0.19	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.038	0.19	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.038	0.19	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.038	0.19	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.038	0.19	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.038	0.19	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.038	0.19	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.038	0.19	mg/kg	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4585111

05-MET-018 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/16/2005 13:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:15

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-018-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.038	0.19	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.038	0.19	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.075	0.19	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.19	0.57	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.038	0.19	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.038	0.19	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.075	0.19	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.038	0.19	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.038	0.19	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.038	0.19	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.075	0.19	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.038	0.19	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.038	0.19	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.038	0.19	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.038	0.19	mg/kg	1
03775	Phenanthrene	85-01-8	0.17 J	0.038	0.19	mg/kg	1
03776	Anthracene	120-12-7	0.040 J	0.038	0.19	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.075	0.19	mg/kg	1
03778	Fluoranthene	206-44-0	0.29	0.038	0.19	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.75	2.3	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.075	0.19	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.20	0.038	0.19	mg/kg	1
03782	Chrysene	218-01-9	0.31	0.038	0.19	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.11	0.38	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.075	0.38	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.075	0.19	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.34	0.038	0.19	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.13 J	0.038	0.19	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.21	0.038	0.19	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.17 J	0.038	0.19	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.075 J	0.038	0.19	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.19	0.038	0.19	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.48
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR101831

Lancaster Laboratories Sample No. SW 4585111

05-MET-018 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/16/2005 13:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:15

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-018-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.48
02020	t-Butyl alcohol	75-65-0	N.D.	0.033	0.17	mg/kg	1.48
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.48
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.48
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.48
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.48
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.48
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.48
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.008	mg/kg	1.48
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.48
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.008	mg/kg	1.48
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.008	mg/kg	1.48
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.48
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.48
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.48
05460	Benzene	71-43-2	0.015	0.0008	0.008	mg/kg	1.48
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.48
05462	Trichloroethene	79-01-6	N.D.	0.002	0.008	mg/kg	1.48
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.48
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.48
05466	Toluene	108-88-3	N.D.	0.002	0.008	mg/kg	1.48
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.48
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.008	mg/kg	1.48
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.48
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	1.48
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.008	mg/kg	1.48
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.48
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.48
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.48
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.48
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.008	mg/kg	1.48
07586	Acrolein	107-02-8	N.D.	0.033	0.17	mg/kg	1.48
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.033	mg/kg	1.48

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR101832

Lancaster Laboratories Sample No. SW 4585111

05-MET-018 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/16/2005 13:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:15

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-018-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:40		1
06925	Thallium	SW-846 6010B	1	08/19/2005 02:11		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 02:11		1
06936	Selenium	SW-846 6010B	1	08/19/2005 02:11		1
06944	Antimony	SW-846 6010B	1	08/19/2005 02:11		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 02:11		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 02:11		1
06951	Chromium	SW-846 6010B	1	08/19/2005 02:11		1
06953	Copper	SW-846 6010B	1	08/19/2005 02:11		1
06955	Lead	SW-846 6010B	1	08/19/2005 02:11		1
06961	Nickel	SW-846 6010B	1	08/19/2005 02:11		1
06966	Silver	SW-846 6010B	1	08/19/2005 02:11		1
06972	Zinc	SW-846 6010B	1	08/19/2005 02:11		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:38		1
05912	Phenols	SW846 9066	1	08/23/2005 13:59		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 07:41		10
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 20:34		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/22/2005 23:16		1.48
07584	PPL Volatiles	SW-846 8260B	1	08/22/2005 23:16		1.48
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1

\*=This limit was used in the evaluation of the final result

AR101833

**Lancaster Laboratories Sample No. SW 4585111**

**05-MET-018 Grab Soil Sample**

**N(2.5-3.0)**

**Former Metro Container Investigation**

Collected: 08/16/2005 13:00

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:15

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-018-

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/17/2005 12:46		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/17/2005 09:06		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/17/2005 09:07		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4585111  
 Sample wt/vol: 3.38 (g/mL) g      Lab File ID: HP09193.i/05aug22b.b/xg22s31.d  
 Level: (low/med) LOW      Date Received: 08/16/05  
 % Moisture: not dec. 12      Date Analyzed: 08/22/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.010	J B
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101835

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585111  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh252.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 12 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic

CONCENTRATION UNITS:

Number TICs found: 22 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	5.383	.22	JA
2.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.400	.11	JAB
3.	Unknown Alkane	7.537	.21	J
4.	Unknown	7.734	.27	J
5.	Unknown Alkane	9.257	.20	J
6.	Unknown Alkane	10.118	.22	J
7.	Unknown Alkane	14.521	.17	J
8.	Unknown Alkane	15.620	.16	J
9.	Unknown Alkane	17.643	.19	J
10.	Anthracene, 9-methyl-	19.800	.19	JX
11.	Phenanthrene, 2-methyl-	19.850	.23	JX
12.	Unknown	20.010	.36	J
13.	Unknown	20.059	.15	J
14.	Unknown Alkane	20.159	.44	J
15.	Unknown	20.229	.39	J
16.	2-Phenylnaphthalene	20.349	.33	JX
17.	Unknown	22.592	.75	J
18.	Unknown Alkane	23.305	.15	J
19.	Unknown Alkane	24.683	.16	J
20.	Unknown	26.622	.25	J
21.	Benzo[k]fluoranthene	27.203	.35	JX
22.	Unknown Alkane	29.444	.20	J
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101836

Lancaster Laboratories Sample No. SW 4585112

05-MET-004 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/16/2005 13:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:16

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-004-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.101 J	0.0032	0.121	mg/kg	1
06925	Thallium	7440-28-0	1.86 J	1.16	2.41	mg/kg	1
06935	Arsenic	7440-38-2	5.53	0.809	2.41	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.16	2.41	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.990	2.41	mg/kg	1
06947	Beryllium	7440-41-7	0.522 J	0.0519	0.604	mg/kg	1
06949	Cadmium	7440-43-9	0.613	0.104	0.604	mg/kg	1
06951	Chromium	7440-47-3	21.2	0.640	1.81	mg/kg	1
06953	Copper	7440-50-8	15.6	0.362	1.21	mg/kg	1
06955	Lead	7439-92-1	58.6	0.942	2.41	mg/kg	1
06961	Nickel	7440-02-0	11.2	0.398	1.21	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.229	0.604	mg/kg	1
06972	Zinc	7440-66-6	78.6	0.555	2.41	mg/kg	1
00111	Moisture	n.a.	18.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00209	0.0102	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00209	0.0102	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00209	0.0102	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00406	0.0209	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00406	0.0209	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00406	0.0209	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0209	0.102	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00209	0.0102	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00209	0.0102	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00259	0.0102	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00209	0.0102	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00406	0.0209	mg/kg	10
01986	p,p-DDD	72-54-8	0.00733 J	0.00406	0.0209	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0493	0.209	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.135	0.406	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00209	0.0102	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00406	0.0209	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00406	0.0209	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00406	0.0209	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101837



Lancaster Laboratories Sample No. SW 4585112

05-MET-004 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/16/2005 13:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:16

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-004-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0911	0.209	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0406	0.209	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0591	0.209	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0369	0.209	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.135	0.406	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0406	0.209	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.135	0.406	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.62	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.082	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.041	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.62	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.082	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.62	mg/kg	1
01195	Pyrene	129-00-0	0.36	0.041	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.041	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.82	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.62	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.082	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4585112

05-MET-004 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/16/2005 13:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:16

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-004-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.041	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.082	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.62	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.082	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.21	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.041	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.082	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.20 J	0.041	0.21	mg/kg	1
03776	Anthracene	120-12-7	0.042 J	0.041	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.082	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.35	0.041	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.82	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.082	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.20 J	0.041	0.21	mg/kg	1
03782	Chrysene	218-01-9	0.27	0.041	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.082	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.082	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.30	0.041	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.11 J	0.041	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.26	0.041	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.19 J	0.041	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.12 J	0.041	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.26	0.041	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.99
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR101839

Lancaster Laboratories Sample No. SW 4585112

05-MET-004 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/16/2005 13:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:16

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-004-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.024	0.12	mg/kg	0.99
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.99
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.99
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.99
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.99
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.99
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.99
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.99
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.99
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.99
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.99
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.99
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.99
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.99
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.99
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.99
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.99
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.99
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.99
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.99
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.99
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.99
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.99
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.99
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.99
07586	Acrolein	107-02-8	N.D.	0.024	0.12	mg/kg	0.99
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.024	mg/kg	0.99

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR101840

Lancaster Laboratories Sample No. SW 4585112

05-MET-004 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/16/2005 13:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:16

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-004-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:43		1
06925	Thallium	SW-846 6010B	1	08/19/2005 02:16		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 02:16		1
06936	Selenium	SW-846 6010B	1	08/19/2005 02:16		1
06944	Antimony	SW-846 6010B	1	08/19/2005 02:16		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 02:16		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 02:16		1
06951	Chromium	SW-846 6010B	1	08/19/2005 02:16		1
06953	Copper	SW-846 6010B	1	08/19/2005 02:16		1
06955	Lead	SW-846 6010B	1	08/19/2005 02:16		1
06961	Nickel	SW-846 6010B	1	08/19/2005 02:16		1
06966	Silver	SW-846 6010B	1	08/19/2005 02:16		1
06972	Zinc	SW-846 6010B	1	08/19/2005 02:16		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:39		1
05912	Phenols	SW846 9066	1	08/23/2005 14:00		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 08:02		10
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 21:18		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/18/2005 16:41		0.99
07584	PPL Volatiles	SW-846 8260B	1	08/18/2005 16:41		0.99
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1

\*=This limit was used in the evaluation of the final result

AR101841

**Lancaster Laboratories Sample No. SW 4585112**

**05-MET-004 Grab Soil Sample**

**N(2-2.5)**

**Former Metro Container Investigation**

Collected: 08/16/2005 13:50

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:16

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-004-

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/17/2005 12:48		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/17/2005 09:08		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/17/2005 09:09		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4585112  
 Sample wt/vol: 5.04 (g/mL) g      Lab File ID: HP09193.i/05aug18a.b/xg18s06.d  
 Level: (low/med) LOW      Date Received: 08/16/05  
 % Moisture: not dec. 19      Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.87	0.064	J B
2.	Unknown siloxane	12.26	0.019	J B
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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18.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101843

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585112  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh253.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 19 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 12 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	5.383	.21	JA
2.	Unknown	5.886	.18	J
3.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.410	.17	JAB
4.	Unknown	7.744	.33	J
5.	Unknown	22.594	.40	J
6.	Benzo[b]naphtho[2,1-d]thioph	23.186	.21	JX
7.	Unknown Alkane	23.306	.19	J
8.	Unknown	26.012	1.1	J
9.	Unknown Alkane	26.622	.35	J
10.	Benzo[e]pyrene	27.192	.47	JX
11.	Unknown	28.600	.35	J
12.	Unknown Alkane	29.457	.53	J
13.				
14.				
15.				
16.				
17.				
18.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101844

Lancaster Laboratories Sample No. SW 4585113

05-MET-016 Grab Soil Sample

N(4.5-5)

Former Metro Container Investigation

Collected: 08/16/2005 14:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 08/26/2005 at 11:17

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-016-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0030	0.113	mg/kg	1
06925	Thallium	7440-28-0	1.94 J	1.10	2.29	mg/kg	1
06935	Arsenic	7440-38-2	1.55 J	0.767	2.29	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.10	2.29	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.939	2.29	mg/kg	1
06947	Beryllium	7440-41-7	0.0653 J	0.0492	0.572	mg/kg	1
06949	Cadmium	7440-43-9	0.590	0.0985	0.572	mg/kg	1
06951	Chromium	7440-47-3	16.7	0.607	1.72	mg/kg	1
06953	Copper	7440-50-8	11.0	0.343	1.14	mg/kg	1
06955	Lead	7439-92-1	5.35	0.893	2.29	mg/kg	1
06961	Nickel	7440-02-0	3.72	0.378	1.14	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.218	0.572	mg/kg	1
06972	Zinc	7440-66-6	19.8	0.527	2.29	mg/kg	1
00111	Moisture	n.a.	15.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.20	0.56	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00100	0.00489	mg/kg	5
01219	Heptachlor	76-44-8	N.D.	0.00100	0.00489	mg/kg	5
01220	Aldrin	309-00-2	N.D.	0.00100	0.00489	mg/kg	5
01221	p,p-DDT	50-29-3	N.D.	0.00195	0.0100	mg/kg	5
01222	Dieldrin	60-57-1	N.D.	0.00195	0.0100	mg/kg	5
01223	Endrin	72-20-8	N.D.	0.00195	0.0100	mg/kg	5
01859	Methoxychlor	72-43-5	N.D.	0.0100	0.0489	mg/kg	5
01981	Alpha BHC	319-84-6	N.D.	0.00100	0.00489	mg/kg	5
01982	Beta BHC	319-85-7	N.D.	0.00100	0.00489	mg/kg	5
01983	Delta BHC	319-86-8	N.D.	0.00124	0.00489	mg/kg	5
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00100	0.00489	mg/kg	5
01985	p,p-DDE	72-55-9	N.D.	0.00195	0.0100	mg/kg	5
01986	p,p-DDD	72-54-8	N.D.	0.00195	0.0100	mg/kg	5
01987	Chlordane	57-74-9	N.D.	0.0236	0.100	mg/kg	5
01988	Toxaphene	8001-35-2	N.D.	0.0649	0.195	mg/kg	5
01989	Endosulfan I	959-98-8	N.D.	0.00100	0.00489	mg/kg	5
01990	Endosulfan II	33213-65-9	N.D.	0.00195	0.0100	mg/kg	5
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00195	0.0100	mg/kg	5
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00195	0.0100	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR101845



Lancaster Laboratories Sample No. SW 4585113

05-MET-016 Grab Soil Sample

N(4.5-5)

Former Metro Container Investigation

Collected: 08/16/2005 14:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 08/26/2005 at 11:17

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

-016-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0436	0.100	mg/kg	5
01994	PCB-1221	11104-28-2	N.D.	0.0195	0.100	mg/kg	5
01995	PCB-1232	11141-16-5	N.D.	0.0283	0.100	mg/kg	5
01996	PCB-1242	53469-21-9	N.D.	0.0177	0.100	mg/kg	5
01997	PCB-1248	12672-29-6	N.D.	0.0649	0.195	mg/kg	5
01998	PCB-1254	11097-69-1	N.D.	0.0195	0.100	mg/kg	5
01999	PCB-1260	11096-82-5	N.D.	0.0649	0.195	mg/kg	5

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.59	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.039	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.039	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.039	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.039	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.039	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.079	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	0.27	0.039	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.59	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.079	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.59	mg/kg	1
01195	Pyrene	129-00-0	0.90	0.039	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.039	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.039	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.039	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.039	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.79	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.59	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.079	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.039	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.039	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.039	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.039	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.039	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.039	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.039	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.039	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.039	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101846

Lancaster Laboratories Sample No. SW 4585113

05-MET-016 Grab Soil Sample

N(4.5-5)

Former Metro Container Investigation

Collected: 08/16/2005 14:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:17

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-016-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.079	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.59	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.039	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.039	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.079	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.039	0.20	mg/kg	1
03768	Fluorene	86-73-7	0.13 J	0.039	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.039	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.079	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.039	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.039	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.039	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.039	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.039	0.20	mg/kg	1
03776	Anthracene	120-12-7	0.58	0.039	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.079	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	0.25	0.039	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.79	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.079	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.38	0.039	0.20	mg/kg	1
03782	Chrysene	218-01-9	0.52	0.039	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.39	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.079	0.39	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.079	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.11 J	0.039	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.039	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.11 J	0.039	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.042 J	0.039	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.053 J	0.039	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.056 J	0.039	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	1
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101847

Lancaster Laboratories Sample No. SW 4585113

05-MET-016 Grab Soil Sample

N(4.5-5)

Former Metro Container Investigation

Collected: 08/16/2005 14:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:17

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-016-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.024	0.12	mg/kg	1
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	1
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	1
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	1
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	1
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	1
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	1
05450	Methylene Chloride	75-09-2	0.006 J	0.002	0.006	mg/kg	1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	1
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	1
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	1
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	1
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	1
05460	Benzene	71-43-2	0.0006 J	0.0006	0.006	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	1
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	1
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	1
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	1
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	1
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	1
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	1
05474	Ethylbenzene	100-41-4	0.002 J	0.001	0.006	mg/kg	1
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	1
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	1
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	1
07586	Acrolein	107-02-8	N.D.	0.024	0.12	mg/kg	1
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.024	mg/kg	1

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR101848

Lancaster Laboratories Sample No. SW 4585113

05-MET-016 Grab Soil Sample

N(4.5-5)

Former Metro Container Investigation

Collected: 08/16/2005 14:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:17

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-016-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/18/2005 10:44		1
06925	Thallium	SW-846 6010B	1	08/19/2005 02:21		1
06935	Arsenic	SW-846 6010B	1	08/19/2005 02:21		1
06936	Selenium	SW-846 6010B	1	08/19/2005 02:21		1
06944	Antimony	SW-846 6010B	1	08/19/2005 02:21		1
06947	Beryllium	SW-846 6010B	1	08/19/2005 02:21		1
06949	Cadmium	SW-846 6010B	1	08/19/2005 02:21		1
06951	Chromium	SW-846 6010B	1	08/19/2005 02:21		1
06953	Copper	SW-846 6010B	1	08/19/2005 02:21		1
06955	Lead	SW-846 6010B	1	08/19/2005 02:21		1
06961	Nickel	SW-846 6010B	1	08/19/2005 02:21		1
06966	Silver	SW-846 6010B	1	08/19/2005 02:21		1
06972	Zinc	SW-846 6010B	1	08/19/2005 02:21		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 17:16		1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 11:40		1
05912	Phenols	SW846 9066	1	08/23/2005 14:04		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/20/2005 08:22		5
04688	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 22:01		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/22/2005 20:01		1
07584	PPL Volatiles	SW-846 8260B	1	08/22/2005 20:01		1
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/17/2005 20:05		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/17/2005 22:15		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/19/2005 14:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/18/2005 02:10		1

\*=This limit was used in the evaluation of the final result

AR101849

**Lancaster Laboratories Sample No. SW 4585113****05-MET-016 Grab Soil Sample****N(4.5-5)****Former Metro Container Investigation**

Collected: 08/16/2005 14:30

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 08/26/2005 at 11:17

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

-016-

06171 GC/MS - Field Preserved SW-846 5035

1 08/17/2005 12:50

1

MeOH

08389 GC/MS - LL Encore Prep SW-846 5035

1 08/17/2005 09:09

n.a.

08389 GC/MS - LL Encore Prep SW-846 5035

2 08/17/2005 09:10

n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4585113  
 Sample wt/vol: 5.02 (g/mL) g      Lab File ID: HP09193.i/05aug22a.b/xg22s11.d  
 Level: (low/med) LOW      Date Received: 08/16/05  
 % Moisture: not dec. 15      Date Analyzed: 08/22/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.94	0.47	J
2.	Unknown hydrocarbon	11.67	0.15	J
3.	Unknown alkane	12.69	0.26	J
4.	Unknown alkane	12.85	0.17	J
5.	Unknown alkane	13.32	0.17	J
6.	Unknown alkane	13.46	0.33	J
7.	Unknown alkane	13.55	0.36	J
8.	Unknown	13.67	0.15	J
9.	Unknown	13.74	0.35	J
10.	Unknown	14.06	0.14	J
11.	Unknown alicyclic	14.11	0.20	J
12.	Unknown alkane	14.15	0.53	J
13.	Unknown alicyclic	14.22	0.30	J
14.	Unknown	14.40	0.14	J
15.	Unknown alicyclic	14.49	0.16	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR101851

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4585113  
 Sample wt/vol: 30 (g/mL) g Lab File ID: bh254.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: 15 Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.400	9.5	JAB
2.	Unknown Alkane	12.279	2.8	J
3.	Unknown Cycloalkane	12.339	1.6	J
4.	Unknown Cycloalkane	12.758	2.0	J
5.	Unknown Alkane	13.018	1.8	J
6.	Unknown	13.428	1.7	J
7.	Unknown Alkane	13.578	2.6	J
8.	Unknown Cycloalkane	14.028	1.9	J
9.	Unknown Alkane	14.258	2.5	J
10.	Unknown Alkane	14.559	2.4	J
11.	Unknown Alkane	15.211	2.8	J
12.	Unknown Cycloalkane	16.326	2.8	J
13.	Naphthalene, 1,4,6-trimethyl	16.446	1.3	JX
14.	Unknown Alkane	16.557	1.5	J
15.	Unknown Alkane	17.151	2.4	J
16.	Unknown Alkane	17.695	2.0	J
17.	Unknown	18.139	1.7	J
18.	4,4'-Dimethylbiphenyl	18.371	1.8	JX
19.	Unknown Alkane	18.654	1.9	J
20.	Unknown	19.320	1.2	J
21.	Unknown	19.492	1.7	J
22.	9,10-Dimethylanthracene	20.870	1.4	JX
23.	Unknown	21.428	1.2	J
24.	Unknown Alkane	22.394	1.2	J
25.	Chrysene, 5-methyl-	24.536	1.3	JX
26.				
27.				
28.				
29.				
30.				

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FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101852

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052290012A	Sample number(s): 4585100-4585105, 4585107-4585113								
Gamma BHC - Lindane	N.D.	0.170	0.830	ug/kg	108		74-133		
Heptachlor	N.D.	0.170	0.830	ug/kg	106		72-143		
Aldrin	N.D.	0.170	0.830	ug/kg	107		74-137		
p,p-DDT	N.D.	0.330	1.70	ug/kg	81		67-152		
Dieldrin	N.D.	0.330	1.70	ug/kg	108		71-133		
Endrin	N.D.	0.330	1.70	ug/kg	103		68-133		
Methoxychlor	N.D.	1.70	8.30	ug/kg	92		56-168		
Alpha BHC	N.D.	0.170	0.830	ug/kg	114		70-134		
Beta BHC	N.D.	0.170	0.830	ug/kg	106		68-137		
Delta BHC	N.D.	0.210	0.830	ug/kg	108		53-167		
Heptachlor Epoxide	N.D.	0.170	0.830	ug/kg	105		72-132		
p,p-DDE	N.D.	0.330	1.70	ug/kg	101		71-143		
p,p-DDD	N.D.	0.330	1.70	ug/kg	108		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.0	33.0	ug/kg					
Endosulfan I	N.D.	0.170	0.830	ug/kg	108		71-130		
Endosulfan II	N.D.	0.330	1.70	ug/kg	104		73-134		
Endosulfan Sulfate	N.D.	0.330	1.70	ug/kg	103		58-133		
Endrin Aldehyde	N.D.	0.330	1.70	ug/kg	102		47-145		
PCB-1016	N.D.	7.40	17.0	ug/kg					
PCB-1221	N.D.	3.30	17.0	ug/kg					
PCB-1232	N.D.	4.80	17.0	ug/kg					
PCB-1242	N.D.	3.00	17.0	ug/kg					
PCB-1248	N.D.	11.0	33.0	ug/kg					
PCB-1254	N.D.	3.30	17.0	ug/kg					
PCB-1260	N.D.	11.0	33.0	ug/kg					
Batch number: 052295708003	Sample number(s): 4585100-4585105, 4585107-4585113								
Thallium	N.D.	0.960	2.00	mg/kg	105		76-125		
Arsenic	N.D.	0.670	2.00	mg/kg	97		80-120		
Selenium	N.D.	0.960	2.00	mg/kg	103		74-126		
Antimony	N.D.	0.820	2.00	mg/kg	59		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	103		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	98		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	102		78-121		
Copper	N.D.	0.300	1.00	mg/kg	99		80-120		
Lead	N.D.	0.780	2.00	mg/kg	99		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	100		78-122		
Silver	N.D.	0.190	0.500	mg/kg	110		49-150		
Zinc	0.532 J	0.460	2.00	mg/kg	97		46-154		
Batch number: 052295711004	Sample number(s): 4585100-4585105, 4585107-4585113								
Mercury	N.D.	0.0027	0.100	mg/kg	91		66-133		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: [REDACTED] Sample number(s): 4585100-4585105, 4585107-4585113									
1,4-Dioxane	N.D.	100.	500.	ug/kg	47		14-81		
Phenol	N.D.	33.	170.	ug/kg	86		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	90		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	83		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	83		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	83		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	98		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	83		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	95		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	94		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	61		47-110		
Pyrene	N.D.	33.	170.	ug/kg	94		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	86		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	96		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	88		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	91		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	83		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	60		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	78		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	84		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	84		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	82		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	81		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	97		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	85		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	82		68-105		
Isophorone	N.D.	33.	170.	ug/kg	86		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	95		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	84		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	84		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	80		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	70		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	97		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	85		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	87		75-108		
Fluorene	N.D.	33.	170.	ug/kg	79		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	82		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	91		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	87		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	90		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	86		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	84		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	85		70-107		
Anthracene	N.D.	33.	170.	ug/kg	87		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	89		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	83		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	61		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	95		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	91		73-111		
Chrysene	N.D.	33.	170.	ug/kg	94		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	64		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	88		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	95		61-117		

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	89		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	92		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	95		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	92		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	97		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	94		66-120		
Batch number: 05230820001A	Sample number(s): 4585100-4585105								
Moisture					100		99-101		
Batch number: 05230820001B	Sample number(s): 4585107-4585113								
Moisture					100		99-101		
Batch number: 05231102201A	Sample number(s): 4585100-4585105								
Total Cyanide	N.D.	0.18	0.50	mg/kg	106		90-110		
Batch number: 05231102201B	Sample number(s): 4585107-4585113								
Total Cyanide	N.D.	0.18	0.50	mg/kg	106		90-110		
Batch number: 05232113201A	Sample number(s): 4585100								
Phenols	N.D.	1.2	3.5	mg/kg	92		80-120		
Batch number: 05234113201A	Sample number(s): 4585101-4585105, 4585107-4585110								
Phenols	N.D.	1.2	3.5	mg/kg	99		80-120		
Batch number: 05234113201B	Sample number(s): 4585111-4585113								
Phenols	N.D.	1.2	3.5	mg/kg	99		80-120		
Batch number: R052301AB	Sample number(s): 4585100-4585102, 4585104, 4585106-4585107								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	96	99	75-125	4	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	98	100	51-160	2	30
Chloromethane	N.D.	100.	250.	ug/kg	71	70	62-132	1	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	72	71	66-124	1	30
Bromomethane	N.D.	100.	250.	ug/kg	83	79	59-127	5	30
Chloroethane	N.D.	100.	200.	ug/kg	91	72	63-120	24	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	85	86	65-138	0	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	89	90	69-133	0	30
Methylene Chloride	N.D.	100.	250.	ug/kg	97	99	75-120	2	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	94	95	77-124	0	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	97	98	79-124	0	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	99	100	76-120	1	30
Chloroform	N.D.	50.	250.	ug/kg	100	101	81-117	1	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	94	94	74-127	0	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	92	91	69-130	1	30
Benzene	N.D.	25.	250.	ug/kg	100	100	77-119	0	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	98	100	76-126	2	30
Trichloroethene	N.D.	50.	250.	ug/kg	97	98	81-114	1	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	100	101	78-119	1	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	93	95	77-116	2	30
Toluene	N.D.	50.	250.	ug/kg	101	100	81-116	1	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	102	104	74-117	2	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	96	94	73-127	2	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	98	100	73-116	1	30
Chlorobenzene	N.D.	50.	250.	ug/kg	102	102	81-112	0	30
Ethylbenzene	N.D.	50.	250.	ug/kg	100	101	82-115	1	30

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromoform	N.D.	50.	250.	ug/kg	95	98	64-125	3	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	103	104	64-121	1	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	102	104	77-114	2	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	102	104	72-119	2	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	98	100	72-117	2	30
Xylene (Total)	N.D.	50.	250.	ug/kg	99	99	82-117	0	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	101	105	9-208	4	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	81	84	33-143	3	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	97	100	56-129	3	30
Batch number: X052291AB Sample number(s): 4585103,4585109-4585110,4585112									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	86	92	75-125	7	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	144	129	51-160	11	30
Chloromethane	N.D.	2.	5.	ug/kg	120	106	62-132	12	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	106	95	66-124	10	30
Bromomethane	N.D.	2.	5.	ug/kg	94	85	59-127	10	30
Chloroethane	N.D.	2.	4.	ug/kg	109	99	63-120	9	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	82	74	65-138	11	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	92	83	69-133	10	30
Methylene Chloride	N.D.	2.	5.	ug/kg	98	94	75-120	4	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	86	77-124	11	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	106	99	79-124	7	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96	90	76-120	6	30
Chloroform	N.D.	1.	5.	ug/kg	97	92	81-117	6	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91	82	74-127	10	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	87	78	69-130	10	30
Benzene	N.D.	0.5	5.	ug/kg	104	96	77-119	8	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	89	90	76-126	2	30
Trichloroethene	N.D.	1.	5.	ug/kg	98	89	81-114	9	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	113	108	78-119	5	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	91	89	77-116	3	30
Toluene	N.D.	1.	5.	ug/kg	106	98	81-116	8	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	94	101	74-117	6	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	95	86	73-127	10	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	88	91	73-116	4	30
Chlorobenzene	N.D.	1.	5.	ug/kg	100	93	81-112	7	30
Ethylbenzene	N.D.	1.	5.	ug/kg	105	97	82-115	8	30
Bromoform	N.D.	1.	5.	ug/kg	75	84	64-125	11	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	97	111	64-121	13	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	87	94	77-114	8	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	98	99	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	97	95	72-117	2	30
Xylene (Total)	N.D.	1.	5.	ug/kg	102	96	82-117	7	30
Acrolein	N.D.	20.	40.	ug/kg	77	88	33-143	14	30
Acrylonitrile	N.D.	4.	20.	ug/kg	81	101	56-129	22	30
Batch number: X052341AA Sample number(s): 4585105,4585113									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	91	93	75-125	2	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	94	93	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	95	92	62-132	4	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	93	88	66-124	5	30
Bromomethane	N.D.	2.	5.	ug/kg	95	93	59-127	2	30
Chloroethane	N.D.	2.	4.	ug/kg	95	92	63-120	4	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	92	87	65-138	5	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	90	86	69-133	4	30

\*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Methylene Chloride	N.D.	2.	5.	ug/kg	97	94	75-120	3	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	94	89	77-124	5	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	99	95	79-124	4	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	97	95	76-120	3	30
Chloroform	N.D.	1.	5.	ug/kg	99	96	81-117	4	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	96	92	74-127	4	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	93	89	69-130	5	30
Benzene	N.D.	0.5	5.	ug/kg	99	95	77-119	3	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	97	95	76-126	2	30
Trichloroethene	N.D.	1.	5.	ug/kg	97	93	81-114	5	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	101	96	78-119	5	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	96	94	77-116	2	30
Toluene	N.D.	1.	5.	ug/kg	99	96	81-116	3	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	93	96	74-117	3	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	97	93	73-127	4	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	94	95	73-116	1	30
Chlorobenzene	N.D.	1.	5.	ug/kg	99	97	81-112	2	30
Ethylbenzene	N.D.	1.	5.	ug/kg	99	96	82-115	3	30
Bromoform	N.D.	1.	5.	ug/kg	90	90	64-125	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	88	94	64-121	7	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	93	96	77-114	4	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	101	98	72-119	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	96	96	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	98	95	82-117	4	30
Acrolein	N.D.	20.	40.	ug/kg	74	79	33-143	6	30
Acrylonitrile	N.D.	4.	20.	ug/kg	79	87	56-129	9	30
Batch number: X052341AB Sample number(s): 4585108,4585111									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	91	93	75-125	2	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	94	93	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	95	92	62-132	4	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	93	88	66-124	5	30
Bromomethane	N.D.	2.	5.	ug/kg	95	93	59-127	2	30
Chloroethane	N.D.	2.	4.	ug/kg	95	92	63-120	4	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	92	87	65-138	5	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	90	86	69-133	4	30
Methylene Chloride	2. J	2.	5.	ug/kg	97	94	75-120	3	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	94	89	77-124	5	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	99	95	79-124	4	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	97	95	76-120	3	30
Chloroform	N.D.	1.	5.	ug/kg	99	96	81-117	4	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	96	92	74-127	4	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	93	89	69-130	5	30
Benzene	N.D.	0.5	5.	ug/kg	99	95	77-119	3	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	97	95	76-126	2	30
Trichloroethene	N.D.	1.	5.	ug/kg	97	93	81-114	5	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	101	96	78-119	5	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	96	94	77-116	2	30
Toluene	N.D.	1.	5.	ug/kg	99	96	81-116	3	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	93	96	74-117	3	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	97	93	73-127	4	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	94	95	73-116	1	30
Chlorobenzene	N.D.	1.	5.	ug/kg	99	97	81-112	2	30
Ethylbenzene	N.D.	1.	5.	ug/kg	99	96	82-115	3	30
Bromoform	N.D.	1.	5.	ug/kg	90	90	64-125	0	30

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	88	94	64-121	7	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	93	96	77-114	4	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	101	98	72-119	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	96	96	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	98	95	82-117	4	30
Acrolein	N.D.	20.	40.	ug/kg	74	79	33-143	6	30
Acrylonitrile	N.D.	4.	20.	ug/kg	79	87	56-129	9	30

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG CONC	DUP CONC	DUP RPD	Dup RPD Max
Batch number: 052290012A	Sample number(s): 4585100-4585105, 4585107-4585113							
Gamma BHC - Lindane	0*	0*	43-154	0	35			
Heptachlor	0*	0*	70-138	0	35			
Aldrin	0*	0*	58-159	0	35			
p,p-DDT	0*	0*	62-166	0	35			
Dieldrin	0*	0*	68-139	0	35			
Endrin	0*	0*	48-188	0	35			
Methoxychlor	0*	0*	74-162	0	35			
Alpha BHC	0*	0*	64-134	0	35			
Beta BHC	0*	0*	31-176	0	35			
Delta BHC	0*	0*	68-158	0	35			
Heptachlor Epoxide	0*	0*	69-133	0	35			
p,p-DDE	0*	0*	48-175	0	35			
p,p-DDD	151	152	52-181	1	35			
Endosulfan I	0*	0*	41-166	0	35			
Endosulfan II	0*	0*	65-144	0	35			
Endosulfan Sulfate	0*	0*	65-154	0	35			
Endrin Aldehyde	0*	0*	63-125	0	35			
Batch number: 052295708003	Sample number(s): 4585100-4585105, 4585107-4585113							
Thallium	93	93	84-105	0	20	2.04	2.32	13 (1)
Arsenic	98	97	76-110	1	20	7.00	7.88	12 (1)
Selenium	96	95	80-120	1	20	N.D.	N.D.	109* (1)
Antimony	65*	69*	80-120	5	20	N.D.	N.D.	65* (1)
Beryllium	101	102	89-114	0	20	0.524	0.584	11 (1)
Cadmium	99	98	80-120	1	20	0.836	0.879	5 (1)
Chromium	117	126*	80-120	2	20	65.1	55.3	16
Copper	138*	110	80-120	12	20	26.5	29.7	11
Lead	127*	102	80-120	15	20	27.4	27.8	1
Nickel	76*	64*	80-120	5	20	74.7	60.3	21*
Silver	102	101	80-120	1	20	N.D.	N.D.	44* (1)
Zinc	125*	104	80-120	7	20	89.6	90.9	1
Batch number: 052295711004	Sample number(s): 4585100-4585105, 4585107-4585113							
Mercury	132*	115	80-120	12	20	0.0342 J	0.0587 J	53* (1)
Batch number: 05229SLE026	Sample number(s): 4585100-4585105, 4585107-4585113							
1,4-Dioxane	43	45	6-84	4	30			
Phenol	104	101	48-128	2	30			

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
2-Chlorophenol	86	91	36-140	5	30			
1,4-Dichlorobenzene	84	87	46-115	3	30			
N-Nitroso-di-n-propylamine	101	119	42-132	16	30			
1,2,4-Trichlorobenzene	91	93	62-114	3	30			
4-Chloro-3-methylphenol	103	103	42-147	0	30			
Acenaphthene	90	87	47-137	2	30			
4-Nitrophenol	59	115	30-151	64*	30			
2,4-Dinitrotoluene	86	96	66-126	11	30			
Pentachlorophenol	145*	139*	22-126	4	30			
Pyrene	28	89	25-159	19	30			
1-Methylnaphthalene	85	92	60-128	5	30			
2-Nitrophenol	92	104	53-140	12	30			
2,4-Dimethylphenol	104	105	44-131	1	30			
2,4-Dichlorophenol	90	91	60-123	1	30			
2,4,6-Trichlorophenol	86	87	51-128	1	30			
2,4-Dinitrophenol	0*	0*	20-152	0	30			
4,6-Dinitro-2-methylphenol	0*	0*	14-136	0	30			
N-Nitrosodimethylamine	81	79	56-110	2	30			
bis(2-Chloroethyl)ether	87	93	60-110	6	30			
1,3-Dichlorobenzene	80	84	52-112	5	30			
1,2-Dichlorobenzene	81	83	56-108	2	30			
bis(2-Chloroisopropyl)ether	105	107	38-157	2	30			
Hexachloroethane	100	114	30-130	13	30			
Nitrobenzene	93	94	65-113	1	30			
Isophorone	91	97	55-116	6	30			
bis(2-Chloroethoxy)methane	110	111	63-128	1	30			
Naphthalene	96	100	54-121	4	30			
Hexachlorobutadiene	84	89	43-132	6	30			
Hexachlorocyclopentadiene	38	38	5-175	1	30			
2-Chloronaphthalene	79	79	51-100	0	30			
Acenaphthylene	104	102	66-137	2	30			
Dimethylphthalate	93	90	70-112	3	30			
2,6-Dinitrotoluene	87	89	66-116	3	30			
Fluorene	89	92	48-130	3	30			
4-Chlorophenyl-phenylether	93	91	50-128	2	30			
Diethylphthalate	95	95	71-112	0	30			
1,2-Diphenylhydrazine	91	107	26-141	16	30			
N-Nitrosodiphenylamine	143*	156*	59-133	8	30			
4-Bromophenyl-phenylether	101	104	69-119	3	30			
Hexachlorobenzene	86	91	59-130	5	30			
Phenanthrene	60	94	28-155	17	30			
Anthracene	76	92	47-135	11	30			
Di-n-butylphthalate	91	94	67-119	3	30			
Fluoranthene	74	87	32-137	11	30			
Benzidine	59	93	20-173	44*	30			
Butylbenzylphthalate	88	88	55-131	0	30			
Benzo(a)anthracene	53	91	39-144	13	30			
Chrysene	24*	98	38-144	22	30			
3,3'-Dichlorobenzidine	92	119	10-133	26	30			
bis(2-Ethylhexyl)phthalate	87	92	54-141	5	30			
Di-n-octylphthalate	88	93	47-144	5	30			
Benzo(b)fluoranthene	76	90	24-155	10	30			
Benzo(k)fluoranthene	105	112	2-176	7	30			
Benzo(a)pyrene	78	98	38-142	12	30			

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Indeno(1,2,3-cd)pyrene	93	102	1-186	8	30			
Dibenz(a,h)anthracene	86	94	44-154	7	30			
Benzo(g,h,i)perylene	79	93	32-150	11	30			
Batch number: 05230820001A Moisture	Sample number(s): 4585100-4585105					20.0	20.0	0
Batch number: 05230820001B Moisture	Sample number(s): 4585107-4585113					15.2	15.7	3
Batch number: 05231102201A Total Cyanide	Sample number(s): 4585100-4585105					N.D.	N.D.	200* (1)
Batch number: 05231102201B Total Cyanide	Sample number(s): 4585107-4585113					N.D.	N.D.	200* (1)
Batch number: 05232113201A Phenols	Sample number(s): 4585100							
Batch number: 05234113201A Phenols	Sample number(s): 4585101-4585105, 4585107-4585110							
Batch number: 05234113201B Phenols	Sample number(s): 4585111-4585113							
Batch number: X052291AB Methyl Tertiary Butyl Ether	Sample number(s): 4585103, 4585109-4585110, 4585112							
t-Butyl alcohol	97		49-140					
Chloromethane	131		46-148					
Vinyl Chloride	101		60-132					
Bromomethane	104		60-126					
Chloroethane	101		52-121					
Trichlorofluoromethane	103		60-122					
1,1-Dichloroethene	108		53-142					
Methylene Chloride	102		62-133					
trans-1,2-Dichloroethene	99		59-135					
1,1-Dichloroethane	102		64-125					
cis-1,2-Dichloroethene	105		65-125					
Chloroform	103		63-125					
1,1,1-Trichloroethane	105		65-126					
Carbon Tetrachloride	107		59-134					
Benzene	107		53-138					
1,2-Dichloroethane	106		67-123					
Trichloroethene	102		62-130					
1,2-Dichloropropane	108		62-126					
Bromodichloromethane	105		64-120					
Toluene	101		65-118					
1,1,2-Trichloroethane	107		55-125					
Tetrachloroethene	102		62-122					
Dibromochloromethane	108		45-151					
Chlorobenzene	102		62-120					
Ethylbenzene	104		62-116					
Bromoform	107		50-127					
1,1,2,2-Tetrachloroethane	99		52-123					
	99		37-142					

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
1,2-Dibromoethane	101		62-116					
trans-1,3-Dichloropropene	104		61-121					
cis-1,3-Dichloropropene	102		54-122					
Xylene (Total)	106		54-123					
Acrolein	77		12-136					
Acrylonitrile	89		47-125					
Batch number: X052341AA	Sample number(s): 4585105,4585113							
Methyl Tertiary Butyl Ether	90		49-140					
t-Butyl alcohol	114		46-148					
Chloromethane	98		60-132					
Vinyl Chloride	96		60-126					
Bromomethane	94		52-121					
Chloroethane	91		60-122					
Trichlorofluoromethane	96		53-142					
1,1-Dichloroethene	95		62-133					
Methylene Chloride	94		59-135					
trans-1,2-Dichloroethene	90		64-125					
1,1-Dichloroethane	98		65-125					
cis-1,2-Dichloroethene	93		63-125					
Chloroform	96		65-126					
1,1,1-Trichloroethane	97		59-134					
Carbon Tetrachloride	93		53-138					
Benzene	93		67-123					
1,2-Dichloroethane	96		62-130					
Trichloroethene	86		62-126					
1,2-Dichloropropane	94		64-120					
Bromodichloromethane	93		65-118					
Toluene	82		55-125					
1,1,2-Trichloroethane	90		62-122					
Tetrachloroethene	77		45-151					
Dibromochloromethane	90		62-120					
Chlorobenzene	77		62-116					
Ethylbenzene	72		50-127					
Bromoform	88		52-123					
1,1,2,2-Tetrachloroethane	84		37-142					
1,2-Dibromoethane	86		62-116					
trans-1,3-Dichloropropene	91		61-121					
cis-1,3-Dichloropropene	89		54-122					
Xylene (Total)	71		54-123					
Acrolein	15		12-136					
Acrylonitrile	74		47-125					
Batch number: X052341AB	Sample number(s): 4585108,4585111							
Methyl Tertiary Butyl Ether	90		49-140					
t-Butyl alcohol	114		46-148					
Chloromethane	98		60-132					
Vinyl Chloride	96		60-126					
Bromomethane	94		52-121					
Chloroethane	91		60-122					
Trichlorofluoromethane	96		53-142					
1,1-Dichloroethene	95		62-133					
Methylene Chloride	94		59-135					
trans-1,2-Dichloroethene	90		64-125					

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
1,1-Dichloroethane	98		65-125					
cis-1,2-Dichloroethene	93		63-125					
Chloroform	96		65-126					
1,1,1-Trichloroethane	97		59-134					
Carbon Tetrachloride	93		53-138					
Benzene	93		67-123					
1,2-Dichloroethane	96		62-130					
Trichloroethene	86		62-126					
1,2-Dichloropropane	94		64-120					
Bromodichloromethane	93		65-118					
Toluene	82		55-125					
1,1,2-Trichloroethane	90		62-122					
Tetrachloroethene	77		45-151					
Dibromochloromethane	90		62-120					
Chlorobenzene	77		62-116					
Ethylbenzene	72		50-127					
Bromoform	88		52-123					
1,1,2,2-Tetrachloroethane	84		37-142					
1,2-Dibromoethane	86		62-116					
trans-1,3-Dichloropropene	91		61-121					
cis-1,3-Dichloropropene	89		54-122					
Xylene (Total)	71		54-123					
Acrolein	15		12-136					
Acrylonitrile	74		47-125					

### Surrogate Quality Control

Analysis Name: Pesticides/PCBs in Solids

Batch number: 052290012A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4585100	90	150
4585101	68	387*
4585102	89	71
4585103	106	124
4585104	83	118
4585105	59	109
4585107	87	184*
4585108	83	331*
4585109	91	218*
4585110	118	128
4585111	79	170*
4585112	88	189*
4585113	74	139
Blank	112	111
LCS	108	113
MS	88	133
MSD	86	144
Limits:	58-149	62-159

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

### Surrogate Quality Control

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05229SLE026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4585100	90	89	85	116
4585101	89	90	87	126
4585102	91	90	85	112
4585103	77	80	88	87
4585104	74	75	82	98
4585105	77	78	93	95
4585107	86	89	87	121
4585108	90	88	81	97
4585109	72	68	75	78
4585110	78	76	90	91
4585111	72	73	81	88
4585112	81	83	97	93
4585113	68	66	81	81
Blank	71	70	75	77
LCS	83	84	90	90
MS	92	92	86	104
MSD	91	90	81	102

Limits: 45-120 50-118 46-136 47-128

	2-Fluorobiphenyl	Terphenyl-d14
4585100	102	97
4585101	103	101
4585102	103	90
4585103	84	81
4585104	79	70
4585105	90	77
4585107	102	93
4585108	90	90
4585109	73	74
4585110	83	81
4585111	77	73
4585112	90	88
4585113	79	64
Blank	75	77
LCS	84	90
MS	101	98
MSD	94	96

Limits: 55-123 51-158

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: R052301AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4585100	82	81	71	102
4585101	95	90	89	111
4585102	74	72	65*	70
4585104	80	79	77	79
4585106	102	102	99	92
4585107	81	78	76	100
Blank	96	98	94	88
LCS	84	84	84	84

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 11:17 AM

Group Number: 955619

### Surrogate Quality Control

LCSD	84	83	82	83
Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: X052291AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4585103	84	80	92	86
4585109	84	78	102	75
4585110	82	78	92	85
4585112	84	77	96	78
Blank	83	80	92	85
LCS	83	77	92	84
LCSD	84	81	92	85
MS	89	85	93	91
Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: X052341AA				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4585105	90	91	96	116
4585113	91	90	101	76
Blank	88	88	93	88
LCS	89	84	92	90
LCSD	89	87	93	89
MS	89	84	93	89
Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: X052341AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4585108	90	88	103	82
4585111	92	85	97	83
Blank	91	91	91	89
LCS	89	84	92	90
LCSD	89	87	93	89
MS	89	84	93	89
Limits:	70-129	70-121	70-130	70-128

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

AR101865

**For Lancaster Laboratories use only**

**Group No.:**

955619

**Sample Nos.:**

4585100-13

Acct No.:

11549

SCR No.:

Cooler temperature upon receipt: 3.2-4.0 °C

[illegible]

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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REVISED

**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 955621. Samples arrived at the laboratory on Tuesday, August 16, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-011 Grab Water Sample	4585125
05-MET-011 Filtered Grab Water Sample	4585126
05-MET-006 Grab Water Sample	4585127
05-MET-132 Grab Water Sample	4585128
05-MET-132 Filtered Grab Water Sample	4585129
05-MET-018 Grab Water Sample	4585130
05-MET-018 Filtered Grab Water Sample	4585131
05-MET-066 Grab Water Sample	4585132
05-MET-066 Filtered Grab Water Sample	4585133
05-MET-004 Grab Water Sample	4585134
05-MET-004 Filtered Grab Water Sample	4585135
05-MET-058 Grab Water Sample	4585136
05-MET-058 Filtered Grab Water Sample	4585137
EB081605W Equipment Blank Grab Water Sample	4585138
TB081605W Trip Blank Water Sample	4585139

1 COPY TO

Montgomery Watson Harza

Attn: [REDACTED]

REVISED

Questions? Contact your Client Services Representative  
[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]  
Senior Specialist



Lancaster Laboratories Sample No. WW 4585125

05-MET-011 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/16/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 13:59

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M011-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	4.5 J	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	302.	50.0	100.	ug/l	1
07035	Arsenic	7440-38-2	635.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	182.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	45.4	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	84.5	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	24.3	125.	ug/l	5
	The quantitation limit for cadmium was increased due to the nature of the sample matrix.						
07051	Chromium	7440-47-3	2,570.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	1,330.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	1,770.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	1,490.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	3,920.	26.5	100.	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101870

Lancaster Laboratories Sample No. WW 4585125

05-MET-011 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/16/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 13:59  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M011-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.010	0.030	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101871

Lancaster Laboratories Sample No. WW 4585125

05-MET-011 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/16/2005 08:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 13:59  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M011-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR101872

Lancaster Laboratories Sample No. WW 4585125

05-MET-011 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/16/2005 08:30

by █

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 13:59  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M011-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR101873

Lancaster Laboratories Sample No. WW 4585125

05-MET-011 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/16/2005 08:30 by [REDACTED] Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 13:59  
Discard: 10/29/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M011-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/18/2005 08:30	<span style="background-color: black; color: black;">[REDACTED]</span>	50
07022	Thallium	SW-846 6010B	1	08/19/2005 01:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 07:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/18/2005 07:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/18/2005 07:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 07:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 01:52	<span style="background-color: black; color: black;">[REDACTED]</span>	5
07051	Chromium	SW-846 6010B	1	08/18/2005 07:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/18/2005 07:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/18/2005 07:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/18/2005 07:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/18/2005 07:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/19/2005 01:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/23/2005 12:33	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:32	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/21/2005 19:33	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07879	EDB	SW-846 8011	1	08/23/2005 20:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 13:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07582	PPL Volatiles	SW-846 8260B	1	08/18/2005 23:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/17/2005 17:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/17/2005 22:25	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/18/2005 23:34	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.

\*=This limit was used in the evaluation of the final result

AR101874



# Analysis Report

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Page 6 of 8  
REVISED

Lancaster Laboratories Sample No. WW 4585125

05-MET-011 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/16/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 13:59

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M011-

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/18/2005 07:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101875

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4585125  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug18b.b/ng18s04.d  
 Level: (low/med) LOW Date Received: 08/16/05  
 % Moisture: not dec. Date Analyzed: 08/18/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585125  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0644.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 1 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Carboxylic Acid	8.781	45	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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10.				
11.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101877





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4585126

05-MET-011 Filtered Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/16/2005 08:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 13:59  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

011--

CAT No.	Analysis Name	CAS Number	As Received Result		As Received	As Received	Units	Dilution Factor
					Method	Limit of		
					Detection Limit*	Quantitation		
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.6	J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	19.5		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	9.1	J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/18/2005 08:32	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 01:57	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 07:12	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 07:12	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 07:12	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 07:12	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 07:12	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 07:12	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 07:12	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 07:12	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 07:12	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 07:12	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 02:17	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101878

Lancaster Laboratories Sample No. WW 4585127

05-MET-006 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/16/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 13:59  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M066-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.010	0.030	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101879

Lancaster Laboratories Sample No. WW 4585127

05-MET-006 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/16/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 13:59

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M066-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101880

Lancaster Laboratories Sample No. WW 4585127

05-MET-006 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/16/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 13:59  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M066-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	2. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

\*=This limit was used in the evaluation of the final result

AR101881

Lancaster Laboratories Sample No. WW 4585127

05-MET-006 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/16/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 13:59  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M066-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
07879	EDB	SW-846 8011	1	08/23/2005 21:53	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 14:07	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/18/2005 23:57	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/17/2005 17:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/18/2005 23:57	[REDACTED]	n.a.
07786	EDB Extraction	SW-846 8011	1	08/18/2005 07:00	[REDACTED]	1

\*—This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585127  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug18b.b/ng18s05.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: not dec. Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585127  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0645.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 2 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.105-60-2	Caprolactam	5.965	55	J
2.	Unknown	12.679	44	J
3.				
4.				
5.				
6.				
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101884

Lancaster Laboratories Sample No. WW 4585128

05-MET-132 Grab Water Sample

N(0-16)

Former Metro Container Investigation

Collected: 08/16/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:00

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M132-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	5.1 J	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	395.	50.0	100.	ug/l	1
07035	Arsenic	7440-38-2	329.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	260.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	37.9	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	113.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	24.3	125.	ug/l	5
	The quantitation limit for cadmium was increased due to the nature of the sample matrix.						
07051	Chromium	7440-47-3	3,540.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2,360.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	2,030.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	2,430.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	7,800.	26.5	100.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	0.041 J	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	0.59	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101885



Lancaster Laboratories Sample No. WW 4585128

05-MET-132 Grab Water Sample

N(0-16)

Former Metro Container Investigation

Collected: 08/16/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:00

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M132-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.012	0.035	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4585128

05-MET-132 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 10:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:00  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M132-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101887

Lancaster Laboratories Sample No. WW 4585128

05-MET-132 Grab Water Sample

N(0-16)

Former Metro Container Investigation

Collected: 08/16/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:00

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M132-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,1,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

\*=This limit was used in the evaluation of the final result

AR101888

Lancaster Laboratories Sample No. WW 4585128

05-MET-132 Grab Water Sample

N(0-16)

Former Metro Container Investigation

Collected: 08/16/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:00

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M132-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/18/2005 08:33	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/19/2005 02:02	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 07:17	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 07:17	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 07:17	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 07:17	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 02:07	[REDACTED]	5
07051	Chromium	SW-846 6010B	1	08/18/2005 07:17	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 07:17	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 07:17	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 07:17	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 07:17	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005 02:02	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/21/2005 19:53	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/23/2005 22:54	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 14:29	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 00:20	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/17/2005 17:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/17/2005 22:25	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 00:20	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/18/2005 07:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101889

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585128  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug18b.b/ng18s06.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: not dec. Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101890

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585128  
Sample wt/vol: 1046 (g/mL) mL Lab File ID: oh0646.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101891



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4585129

05-MET-132 Filtered Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:01  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

132--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/18/2005 08:34	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 02:13	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 07:23	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 07:23	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 07:23	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 07:23	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 07:23	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 07:23	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 07:23	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 07:23	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 07:23	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 07:23	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 02:21	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101892

Lancaster Laboratories Sample No. WW 4585130

05-MET-018 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:01  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M018-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	2.3	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	32.2	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	77.8	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	13.7 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	9.1 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	10.5	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	319.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	192.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	381.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	177.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	639.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	40.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	0.0031 J	0.0020	0.010	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.040	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0020	0.010	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0038	0.010	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0020	0.010	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0050	0.020	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0020	0.010	ug/l	1
01607	p,p-DDE	72-55-9	0.0063 J	0.0040	0.020	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0060	0.020	ug/l	1
01609	p,p-DDT	50-29-3	0.0070 J	0.0060	0.020	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.010	0.030	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0040	0.020	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.070	0.50	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.30	1.0	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0040	0.020	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0020	0.010	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0060	0.020	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.023	0.10	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.10	0.50	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.50	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.10	0.50	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.10	0.50	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101893



Lancaster Laboratories Sample No. WW 4585130

05-MET-018 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:01  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M018-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.10	0.50	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.14	0.50	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.10	0.50	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.030	0.10	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0099	0.030	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4585130

05-MET-018 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:01  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M018-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	10. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	11. J	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4585130

05-MET-018 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 11:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:01  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M018-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	2. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4585130

05-MET-018 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:01  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M018-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
	compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/18/2005 08:35	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/19/2005 02:23	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 07:28	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 07:28	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 07:28	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 07:28	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 07:28	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 07:28	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 07:28	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 07:28	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 07:28	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 07:28	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005 02:23	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/23/2005 12:34	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:33	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/21/2005 20:14	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/23/2005 23:24	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 14:51	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 00:43	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/17/2005 17:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/17/2005 22:25	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 00:43	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/18/2005 07:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101897

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585130  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug18b.b/ng18s07.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: not dec. Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101898

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585130  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0647.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 1 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	12.679	53	J
2.				
3.				
4.				
5.				
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29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101899



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4585131

05-MET-018 Filtered Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:01  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

018--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	18.7		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	11.5 J		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/18/2005 08:37	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 02:28	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 07:33	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 07:33	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 07:33	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 07:33	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 07:33	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 07:33	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 07:33	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 07:33	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 07:33	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 07:33	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 02:25	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101900

Lancaster Laboratories Sample No. WW 4585132

05-MET-066 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/16/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:01  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

--066

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	24.8	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	130.	50.0	100.	ug/l	1
07035	Arsenic	7440-38-2	833.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	140.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	66.7	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	62.8	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	16.9	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	3,030.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	9,590.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	15,700.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	1,680.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	12.3	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	16,900.	26.5	100.	ug/l	1
02393	Phenols	n.a.	66.	9.0	30.	ug/l	1
The pH of this container was adjusted to <2 after receipt.							
08255	Total Cyanide	57-12-5	13.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.40	2.0	ug/l	20
01601	Beta BHC	319-85-7	N.D.	2.4	8.0	ug/l	20
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.40	2.0	ug/l	20
01603	Delta BHC	319-86-8	N.D.	0.76	2.0	ug/l	20
01604	Heptachlor	76-44-8	N.D.	0.40	2.0	ug/l	20
01605	Aldrin	309-00-2	N.D.	1.0	4.0	ug/l	20
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.40	2.0	ug/l	20
01607	p,p-DDE	72-55-9	N.D.	0.80	4.0	ug/l	20
01608	p,p-DDD	72-54-8	N.D.	1.2	4.0	ug/l	20
01609	p,p-DDT	50-29-3	N.D.	1.2	4.0	ug/l	20
01610	Dieldrin	60-57-1	N.D.	2.0	6.0	ug/l	20
01611	Endrin	72-20-8	N.D.	0.80	4.0	ug/l	20
01612	Chlordane	57-74-9	N.D.	14.	100.	ug/l	20
01613	Toxaphene	8001-35-2	N.D.	60.	200.	ug/l	20
01615	Endosulfan II	33213-65-9	N.D.	0.80	4.0	ug/l	20
01616	Endosulfan I	959-98-8	N.D.	0.40	2.0	ug/l	20
01617	Endosulfan Sulfate	1031-07-8	N.D.	1.2	4.0	ug/l	20
01618	Endrin Aldehyde	7421-93-4	N.D.	4.6	20.	ug/l	20
01619	PCB-1016	12674-11-2	N.D.	20.	100.	ug/l	20
01620	PCB-1221	11104-28-2	N.D.	22.	100.	ug/l	20
01621	PCB-1232	11141-16-5	N.D.	20.	100.	ug/l	20

\*=This limit was used in the evaluation of the final result

AR101901



Lancaster Laboratories Sample No. WW 4585132

05-MET-066 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/16/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:01  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

--066

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01622	PCB-1242	53469-21-9	N.D.	20.	100.	ug/l	20
01623	PCB-1248	12672-29-6	N.D.	20.	100.	ug/l	20
01624	PCB-1254	11097-69-1	N.D.	28.	100.	ug/l	20
01626	PCB-1260	11096-82-5	N.D.	20.	100.	ug/l	20
01860	Methoxychlor	72-43-5	N.D.	6.0	20.	ug/l	20
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample. Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.20	0.61	ug/l	20
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample. Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	100.	500.	ug/l	5
02752	1-Methylnaphthalene	90-12-0	420.	J 100.	500.	ug/l	5
03924	2-Chlorophenol	95-57-8	N.D.	100.	500.	ug/l	5
03925	Phenol	108-95-2	N.D.	100.	500.	ug/l	5
03926	2-Nitrophenol	88-75-5	N.D.	100.	500.	ug/l	5
03927	2,4-Dimethylphenol	105-67-9	N.D.	300.	1,000.	ug/l	5
03928	2,4-Dichlorophenol	120-83-2	N.D.	100.	500.	ug/l	5
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	100.	500.	ug/l	5
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	100.	500.	ug/l	5
03931	2,4-Dinitrophenol	51-28-5	N.D.	2,000.	6,000.	ug/l	5
03932	4-Nitrophenol	100-02-7	N.D.	1,000.	3,000.	ug/l	5
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	500.	1,500.	ug/l	5
03934	Pentachlorophenol	87-86-5	N.D.	300.	1,500.	ug/l	5
03935	N-Nitrosodimethylamine	62-75-9	N.D.	200.	500.	ug/l	5
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	100.	500.	ug/l	5
03937	1,3-Dichlorobenzene	541-73-1	N.D.	100.	500.	ug/l	5
03938	1,4-Dichlorobenzene	106-46-7	N.D.	100.	500.	ug/l	5
03939	1,2-Dichlorobenzene	95-50-1	N.D.	100.	500.	ug/l	5
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	100.	500.	ug/l	5
03941	Hexachloroethane	67-72-1	N.D.	100.	500.	ug/l	5
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	100.	500.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR101902

Lancaster Laboratories Sample No. WW 4585132

05-MET-066 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/16/2005 12:30

by █

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:01  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

--066

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03943	Nitrobenzene	98-95-3	N.D.	100.	500.	ug/l	5
03944	Isophorone	78-59-1	N.D.	100.	500.	ug/l	5
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	100.	500.	ug/l	5
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	100.	500.	ug/l	5
03947	Naphthalene	91-20-3	N.D.	100.	500.	ug/l	5
03948	Hexachlorobutadiene	87-68-3	N.D.	100.	500.	ug/l	5
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	500.	1,500.	ug/l	5
03950	2-Chloronaphthalene	91-58-7	N.D.	100.	500.	ug/l	5
03951	Acenaphthylene	208-96-8	N.D.	100.	500.	ug/l	5
03952	Dimethylphthalate	131-11-3	N.D.	200.	500.	ug/l	5
03953	2,6-Dinitrotoluene	606-20-2	N.D.	100.	500.	ug/l	5
03954	Acenaphthene	83-32-9	370. J	100.	500.	ug/l	5
03955	2,4-Dinitrotoluene	121-14-2	N.D.	100.	500.	ug/l	5
03956	Fluorene	86-73-7	320. J	100.	500.	ug/l	5
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	100.	500.	ug/l	5
03958	Diethylphthalate	84-66-2	N.D.	200.	500.	ug/l	5
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	100.	500.	ug/l	5
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	200.	500.	ug/l	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	100.	500.	ug/l	5
03962	Hexachlorobenzene	118-74-1	N.D.	100.	500.	ug/l	5
03963	Phenanthrene	85-01-8	1,700.	100.	500.	ug/l	5
03964	Anthracene	120-12-7	1,100.	100.	500.	ug/l	5
03965	Di-n-butylphthalate	84-74-2	N.D.	200.	500.	ug/l	5
03966	Fluoranthene	206-44-0	960.	100.	500.	ug/l	5
03967	Pyrene	129-00-0	4,700.	100.	500.	ug/l	5
03968	Benzidine	92-87-5	N.D.	2,000.	6,000.	ug/l	5
03969	Butylbenzylphthalate	85-68-7	N.D.	200.	500.	ug/l	5
03970	Benzo(a)anthracene	56-55-3	4,000.	100.	500.	ug/l	5
03971	Chrysene	218-01-9	5,200.	100.	500.	ug/l	5
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	200.	500.	ug/l	5
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	200.	500.	ug/l	5
03974	Di-n-octylphthalate	117-84-0	N.D.	200.	500.	ug/l	5
03975	Benzo(b)fluoranthene	205-99-2	1,000.	100.	500.	ug/l	5
03976	Benzo(k)fluoranthene	207-08-9	340. J	100.	500.	ug/l	5
03977	Benzo(a)pyrene	50-32-8	1,800.	100.	500.	ug/l	5
03978	Indeno(1,2,3-cd)pyrene	193-39-5	440. J	100.	500.	ug/l	5
03979	Dibenz(a,h)anthracene	53-70-3	590.	100.	500.	ug/l	5
03980	Benzo(g,h,i)perylene	191-24-2	810.	100.	500.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR101903

Lancaster Laboratories Sample No. WW 4585132

05-MET-066 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/16/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:01

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

--066

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	1. J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	0.8 J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	3. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4585132

05-MET-066 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/16/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Montgomery Watson Harza

Reported: 09/28/2005 at 14:01

P.O. Box 7009

Discard: 10/29/2005

Pasadena CA 91109-7009

--066

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	36.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/18/2005 08:38	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/24/2005 14:00	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 07:50	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 07:50	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 07:50	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 07:50	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 07:50	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 07:50	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 07:50	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 07:50	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 07:50	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 07:50	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101905

Lancaster Laboratories Sample No. WW 4585132

05-MET-066 Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/16/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:01

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

--066

07072	Zinc	SW-846 6010B	1	08/19/2005 02:34	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/23/2005 13:27	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:37	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/21/2005 20:34	[REDACTED]	20
07879	EDB	SW-846 8011	1	08/26/2005 01:13	[REDACTED]	20
04678	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 15:14	[REDACTED]	5
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 01:06	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/17/2005 17:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/17/2005 22:25	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 01:06	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/18/2005 07:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585132  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug18b.b/ng18s08.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: not dec. Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	12.02	96	J
2.	!Unknown alkane	12.55	200	J
3.	!Unknown aromatic	12.84	110	J
4.	!Unknown alicyclic	13.02	130	J
5.	!Unknown aromatic	13.55	100	J
6.	!Unknown alkane	13.83	140	J
7.	!Unknown alicyclic	13.85	140	J
8.	!Unknown aromatic	14.21	110	J
9.	!Unknown alkane	14.23	310	J
10.	!Unknown aromatic	14.43	100	J
11.	!Unknown alkane	14.48	110	J
12.	!Unknown aromatic	14.53	120	J
13.	!Unknown	14.55	130	J
14.	!Unknown	14.74	100	J
15.	!Unknown	14.81	97	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101907

Number TICs found: 25

(ug/L or ug/Kg) ug/L

page 1 of 1

AR101908



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4585133

05-MET-066 Filtered Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/16/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:02  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F066-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method Detection Limit*	Limit of Quantitation		
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/18/2005 08:42	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 02:49	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 07:55	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 07:55	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 07:55	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 07:55	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 07:55	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 07:55	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 07:55	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 07:55	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 07:55	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 07:55	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 02:29	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101909



Lancaster Laboratories Sample No. WW 4585134

05-MET-004 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:02  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M004-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	1.6 J	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	82.1	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	107.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	38.7	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	8.7 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	26.4	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	9.7	50.0	ug/l	10
	The quantitation limit for cadmium was increased due to the nature of the sample matrix.						
07051	Chromium	7440-47-3	992.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	472.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	302.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	529.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,150.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101910

Lancaster Laboratories Sample No. WW 4585134

05-MET-004 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:02  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M004-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.010	0.031	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101911

Lancaster Laboratories Sample No. WW 4585134

05-MET-004 Grab Water Sample

N(0-16)

Former Metro Container Investigation

Collected: 08/16/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:02

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M004-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR101912

Lancaster Laboratories Sample No. WW 4585134

05-MET-004 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:02  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M004-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR101913

Lancaster Laboratories Sample No. WW 4585134

05-MET-004 Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 14:30 by XXXXXXXXXX Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:02  
Discard: 10/29/2005  
Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M004-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/18/2005 08:44	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	10
07022	Thallium	SW-846 6010B	1	08/19/2005 02:55	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 08:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07036	Selenium	SW-846 6010B	1	08/18/2005 08:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07044	Antimony	SW-846 6010B	1	08/18/2005 08:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 08:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07049	Cadmium	SW-846 6010B	1	08/23/2005 02:40	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	10
07051	Chromium	SW-846 6010B	1	08/18/2005 08:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07053	Copper	SW-846 6010B	1	08/18/2005 08:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07055	Lead	SW-846 6010B	1	08/18/2005 08:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07061	Nickel	SW-846 6010B	1	08/18/2005 08:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07066	Silver	SW-846 6010B	1	08/18/2005 08:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07072	Zinc	SW-846 6010B	1	08/19/2005 02:55	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
02393	Phenols	SW846 9066	1	08/23/2005 13:29	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/19/2005 10:38	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 02:16	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07879	EDB	SW-846 8011	1	08/26/2005 01:43	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 15:36	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 01:29	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/17/2005 17:00	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
00817	Water Sample Pest. Extraction	SW-846 3510C	2	08/23/2005 23:15	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 01:29	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	n.a.

\*=This limit was used in the evaluation of the final result

AR101914



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8  
REVISED

Lancaster Laboratories Sample No. WW 4585134

05-MET-004 Grab Water Sample

N(0-16)

Former Metro Container Investigation

Collected: 08/16/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:02

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M004-

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/18/2005 07:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/18/2005 15:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101915

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585134  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug18b.b/ngl8s09.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: not dec. Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	14.49	16	J
2.	!Unknown alkane	14.55	17	J
3.	!Unknown alkane	14.61	22	J
4.	!Unknown	14.74	24	J
5.	!Unknown	14.86	37	J
6.	!Unknown	14.90	40	J
7.	!Unknown	14.98	22	J
8.	!Unknown aromatic	15.02	29	J
9.	!Unknown	15.10	39	J
10.	!Unknown aromatic	15.16	51	J
11.	!Unknown alicyclic	15.26	34	J
12.	!Unknown aromatic	15.28	17	J
13.	!Unknown	15.39	37	J
14.	!Unknown aromatic	15.45	19	J
15.	!Unknown	15.59	32	J
16.				
17.				
18.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101916

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585134  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0649.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101917





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4585135

05-MET-004 Filtered Grab Water Sample  
N(0-16)  
Former Metro Container Investigation

Collected: 08/16/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:03  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F004-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	13.0	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/18/2005 08:45	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 03:05	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 08:06	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 08:06	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 08:06	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 08:06	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 08:06	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 08:06	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 08:06	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 08:06	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 08:06	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 08:06	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 02:44	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101918

Lancaster Laboratories Sample No. WW 4585136

05-MET-058 Grab Water Sample

N(1.5-16.5)

Former Metro Container Investigation

Collected: 08/16/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:03

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M056-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	115.	6.2	20.0	ug/l	100
07022	Thallium	7440-28-0	103.	50.0	100.	ug/l	1
07035	Arsenic	7440-38-2	268.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	49.2	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	227.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	35.7	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	81.0	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	1,690.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2,400.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	8,810.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	679.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	11.2	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	68,400.	26.5	100.	ug/l	5
02393	Phenols	n.a.	210.	9.0	30.	ug/l	1
The pH of this container was adjusted to <2 after receipt.							
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.40	2.0	ug/l	20
01601	Beta BHC	319-85-7	N.D.	2.4	8.0	ug/l	20
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.40	2.0	ug/l	20
01603	Delta BHC	319-86-8	N.D.	0.76	2.0	ug/l	20
01604	Heptachlor	76-44-8	N.D.	0.40	2.0	ug/l	20
01605	Aldrin	309-00-2	N.D.	1.0	4.0	ug/l	20
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.40	2.0	ug/l	20
01607	p,p-DDE	72-55-9	N.D.	3.9	4.0	ug/l	20
01608	p,p-DDD	72-54-8	N.D.	1.2	4.0	ug/l	20
01609	p,p-DDT	50-29-3	N.D.	1.2	4.0	ug/l	20
01610	Dieldrin	60-57-1	N.D.	3.3	6.0	ug/l	20
01611	Endrin	72-20-8	N.D.	0.80	4.0	ug/l	20
01612	Chlordane	57-74-9	N.D.	14.	100.	ug/l	20
01613	Toxaphene	8001-35-2	N.D.	60.	200.	ug/l	20
01615	Endosulfan II	33213-65-9	N.D.	0.80	4.0	ug/l	20
01616	Endosulfan I	959-98-8	N.D.	0.40	2.0	ug/l	20
01617	Endosulfan Sulfate	1031-07-8	N.D.	1.2	4.0	ug/l	20
01618	Endrin Aldehyde	7421-93-4	N.D.	4.6	20.	ug/l	20
01619	PCB-1016	12674-11-2	N.D.	20.	100.	ug/l	20
01620	PCB-1221	11104-28-2	N.D.	22.	100.	ug/l	20
01621	PCB-1232	11141-16-5	N.D.	20.	100.	ug/l	20

\*=This limit was used in the evaluation of the final result

AR101919

Lancaster Laboratories Sample No. WW 4585136

05-MET-058 Grab Water Sample

N(1.5-16.5)

Former Metro Container Investigation

Collected: 08/16/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:03

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M056-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01622	PCB-1242	53469-21-9	N.D.	20.	100.	ug/l	20
01623	PCB-1248	12672-29-6	130.	20.	100.	ug/l	20
01624	PCB-1254	11097-69-1	77. J	28.	100.	ug/l	20
01626	PCB-1260	11096-82-5	39. J	20.	100.	ug/l	20
01860	Methoxychlor	72-43-5	N.D.	6.0	20.	ug/l	20
<p>Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.</p> <p>Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and dieldrin.</p> <p>Despite cleanup methods, we were unable to reach our usual reporting limits.</p> <p>Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.</p>							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.010	0.030	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	50.	250.	ug/l	5
02752	1-Methylnaphthalene	90-12-0	N.D.	50.	250.	ug/l	5
03924	2-Chlorophenol	95-57-8	N.D.	50.	250.	ug/l	5
03925	Phenol	108-95-2	N.D.	50.	250.	ug/l	5
03926	2-Nitrophenol	88-75-5	N.D.	50.	250.	ug/l	5
03927	2,4-Dimethylphenol	105-67-9	N.D.	150.	500.	ug/l	5
03928	2,4-Dichlorophenol	120-83-2	N.D.	50.	250.	ug/l	5
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	50.	250.	ug/l	5
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	50.	250.	ug/l	5
03931	2,4-Dinitrophenol	51-28-5	N.D.	1,000.	3,000.	ug/l	5
03932	4-Nitrophenol	100-02-7	N.D.	500.	1,500.	ug/l	5
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	250.	750.	ug/l	5
03934	Pentachlorophenol	87-86-5	N.D.	150.	750.	ug/l	5
03935	N-Nitrosodimethylamine	62-75-9	N.D.	100.	250.	ug/l	5
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	50.	250.	ug/l	5
03937	1,3-Dichlorobenzene	541-73-1	N.D.	50.	250.	ug/l	5
03938	1,4-Dichlorobenzene	106-46-7	N.D.	50.	250.	ug/l	5
03939	1,2-Dichlorobenzene	95-50-1	N.D.	50.	250.	ug/l	5
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	50.	250.	ug/l	5
03941	Hexachloroethane	67-72-1	N.D.	50.	250.	ug/l	5
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	50.	250.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR101920

Lancaster Laboratories Sample No. WW 4585136

05-MET-058 Grab Water Sample

N(1.5-16.5)

Former Metro Container Investigation

Collected: 08/16/2005 15:00

by █

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:03

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M056-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03943	Nitrobenzene	98-95-3	N.D.	50.	250.	ug/l	5
03944	Isophorone	78-59-1	N.D.	50.	250.	ug/l	5
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	50.	250.	ug/l	5
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	50.	250.	ug/l	5
03947	Naphthalene	91-20-3	N.D.	50.	250.	ug/l	5
03948	Hexachlorobutadiene	87-68-3	N.D.	50.	250.	ug/l	5
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	250.	750.	ug/l	5
03950	2-Chloronaphthalene	91-58-7	N.D.	50.	250.	ug/l	5
03951	Acenaphthylene	208-96-8	N.D.	50.	250.	ug/l	5
03952	Dimethylphthalate	131-11-3	N.D.	100.	250.	ug/l	5
03953	2,6-Dinitrotoluene	606-20-2	N.D.	50.	250.	ug/l	5
03954	Acenaphthene	83-32-9	N.D.	50.	250.	ug/l	5
03955	2,4-Dinitrotoluene	121-14-2	N.D.	50.	250.	ug/l	5
03956	Fluorene	86-73-7	N.D.	50.	250.	ug/l	5
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	50.	250.	ug/l	5
03958	Diethylphthalate	84-66-2	N.D.	100.	250.	ug/l	5
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	50.	250.	ug/l	5
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	100.	250.	ug/l	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	50.	250.	ug/l	5
03962	Hexachlorobenzene	118-74-1	N.D.	50.	250.	ug/l	5
03963	Phenanthrene	85-01-8	N.D.	50.	250.	ug/l	5
03964	Anthracene	120-12-7	N.D.	50.	250.	ug/l	5
03965	Di-n-butylphthalate	84-74-2	N.D.	100.	250.	ug/l	5
03966	Fluoranthene	206-44-0	N.D.	50.	250.	ug/l	5
03967	Pyrene	129-00-0	N.D.	50.	250.	ug/l	5
03968	Benzidine	92-87-5	N.D.	1,000.	3,000.	ug/l	5
03969	Butylbenzylphthalate	85-68-7	N.D.	100.	250.	ug/l	5
03970	Benzo(a)anthracene	56-55-3	N.D.	50.	250.	ug/l	5
03971	Chrysene	218-01-9	N.D.	50.	250.	ug/l	5
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	100.	250.	ug/l	5
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	100.	250.	ug/l	5
03974	Di-n-octylphthalate	117-84-0	N.D.	100.	250.	ug/l	5
03975	Benzo(b)fluoranthene	205-99-2	N.D.	50.	250.	ug/l	5
03976	Benzo(k)fluoranthene	207-08-9	N.D.	50.	250.	ug/l	5
03977	Benzo(a)pyrene	50-32-8	N.D.	50.	250.	ug/l	5
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	50.	250.	ug/l	5
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	50.	250.	ug/l	5
03980	Benzo(g,h,i)perylene	191-24-2	130.	J 50.	250.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR101921

Lancaster Laboratories Sample No. WW 4585136

05-MET-058 Grab Water Sample

N(1.5-16.5)

Former Metro Container Investigation

Collected: 08/16/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:03

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M056-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	3. J	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	0.9 J	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	2. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	12.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	1. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	2. J	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	11.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	35.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	45.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101922

Lancaster Laboratories Sample No. WW 4585136

05-MET-058 Grab Water Sample

N(1.5-16.5)

Former Metro Container Investigation

Collected: 08/16/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:03

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M056-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	4	08/18/2005 10:09	[REDACTED]	100
07022	Thallium	SW-846 6010B	1	08/19/2005 03:10	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 08:11	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 08:11	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 08:11	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 08:11	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 08:11	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 08:11	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 08:11	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 08:11	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 08:11	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 08:11	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 02:47	[REDACTED]	5
02393	Phenols	SW846 9066	1	08/23/2005 13:30	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/23/2005 12:53	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101923

Lancaster Laboratories Sample No. WW 4585136

05-MET-058 Grab Water Sample  
N(1.5-16.5)  
Former Metro Container Investigation

Collected: 08/16/2005 15:00 by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:03  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M056-						
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/21/2005 21:15	[REDACTED]	20
07879	EDB	SW-846 8011	1	08/26/2005 02:14	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 15:58	[REDACTED]	5
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 01:52	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/17/2005 17:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/17/2005 22:25	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 01:52	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/18/2005 07:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/22/2005 14:20	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585136  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug18b.b/ngl8s10.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: not dec. Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.02	19	J
2.	!Unknown aromatic	12.72	8	J
3.	!Unknown aromatic	12.84	9	J
4.	!Unknown aromatic	13.15	8	J
5.	!Unknown aromatic	14.23	10	J
6.	!Unknown alkane	14.91	7	J
7.	!Unknown alkane	15.10	11	J
8.	!Unknown	15.16	11	J
9.	!Unknown alicyclic	15.26	10	J
10.	!Unknown	15.40	14	J
11.	!Unknown aromatic	15.45	7	J
12.	!Unknown	15.52	7	J
13.	!Unknown	15.59	17	J
14.	!Unknown	15.81	10	J
15.	!Unknown aromatic	15.96	8	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101925



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585136  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0650.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
Injection Volume: 1 (uL) Dilution Factor: 5  
GPC Cleanup: N pH: Extraction: Sepf

CONCENTRATION UNITS:

Number TICs found: 23 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	7.465	2600	J
2.	!Unknown	7.538	6400	J
3.	!Unknown	7.944	2800	J
4.	!Unknown	8.135	2500	J
5.	!Unknown Alkane	8.233	6000	J
6.	!Unknown	8.553	3100	J
7.	!Phenanthrene, 1-methyl-	8.805	3200	JX
8.	!Unknown	8.885	4100	J
9.	!Unknown Alkane	8.934	3300	J
10.	!Unknown	8.989	3000	J
11.	!Unknown	9.143	3600	J
12.	!Unknown Alkane	9.260	5800	J
13.	!Unknown	9.457	2900	J
14.	!Unknown	9.580	8000	J
15.	!Unknown	9.610	2700	J
16.	!Unknown	9.746	2500	J
17.	!Unknown	10.096	2700	J
18.	!Unknown Alkane	10.176	3800	J
19.	!Unknown	10.293	4400	J
20.	!Unknown Alkane	10.465	4200	J
21.	!Unknown Alkane	10.754	3600	J
22.	!Chrysene, 5-methyl-	10.951	3400	JX
23.	!Unknown	11.332	210	J
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101926



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4585137

05-MET-058 Filtered Grab Water Sample  
N(1.5-16.5)  
Former Metro Container Investigation

Collected: 08/16/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:04  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F056-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	14.9		0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	N.D.		50.0	100.	ug/l	1
07035	Arsenic	7440-38-2	46.4		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	21.7		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	99.5		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	4.4 J		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	14.0		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	257.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	357.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	1,360.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	102.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	9,690.		26.5	100.	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/18/2005 08:48	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/19/2005 03:15	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 08:16	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 08:16	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 08:16	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 08:16	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 08:16	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 08:16	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 08:16	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 08:16	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 08:16	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 08:16	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/19/2005 03:15	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101927

Lancaster Laboratories Sample No. WW 4585138

**EB081605W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/16/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:04

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB816

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0097	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.039	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0097	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0097	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0097	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0049	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0097	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0039	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0097	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0039	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.068	0.49	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.97	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0039	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0097	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.097	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.097	0.49	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.49	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.097	0.49	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.097	0.49	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101928

Lancaster Laboratories Sample No. WW 4585138

**EB081605W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/16/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:04  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

EB816

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.097	0.49	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.14	0.49	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.097	0.49	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.097	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	58.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101929

Lancaster Laboratories Sample No. WW 4585138

**EB081605W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/16/2005 15:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:04

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB816

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	58.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR101930

Lancaster Laboratories Sample No. WW 4585138

**EB081605W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/16/2005 15:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:04

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB816

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4585138

**EB081605W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/16/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/16/2005 17:50

Reported: 09/28/2005 at 14:04

Discard: 10/29/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB816

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/18/2005 08:49	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 03:21	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/18/2005 08:22	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/18/2005 08:22	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/18/2005 08:22	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/18/2005 08:22	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/18/2005 08:22	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/18/2005 08:22	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/18/2005 08:22	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/18/2005 08:22	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/18/2005 08:22	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/18/2005 08:22	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 02:51	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/23/2005 13:31	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/23/2005 12:54	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/21/2005 21:36	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/26/2005 02:44	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/19/2005 16:20	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/18/2005 22:48	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/17/2005 17:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/17/2005 22:25	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/18/2005 22:48	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/17/2005 17:50	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/17/2005 19:20	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/18/2005 07:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/22/2005 14:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101932

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585138  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug18b.b/ng17s02.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: not dec. Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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page 1 of 1

FORM I VOA-TIC



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585138  
Sample wt/vol: 1040 (g/mL) mL Lab File ID: oh0651.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/17/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/19/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101934

Lancaster Laboratories Sample No. WW 4585139

**TB081605W Trip Blank Water Sample**  
**TB**  
**Former Metro Container Investigation**

Collected: 08/16/2005

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:05  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

816TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.029	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*This limit was used in the evaluation of the final result

AR101935

Lancaster Laboratories Sample No. WW 4585139

TB081605W Trip Blank Water Sample  
TB  
Former Metro Container Investigation

Collected: 08/16/2005

Account Number: 11549

Submitted: 08/16/2005 17:50  
Reported: 09/28/2005 at 14:05  
Discard: 10/29/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

816TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search  
The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/26/2005 03:14		1
07582	PPL Volatiles	SW-846 8260B	1	08/18/2005 23:11		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/18/2005 23:11		n.a.
07786	EDB Extraction	SW-846 8011	1	08/18/2005 07:00		1

\* = This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585139  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07159.i/05aug18b.b/ng18s03.d  
Level: (low/med) LOW Date Received: 08/16/05  
% Moisture: not dec. Date Analyzed: 08/18/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101937

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:05 PM

Group Number: 955621

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052290011A	Sample number(s): 4585125,4585128,4585130,4585132,4585136,4585138								
Alpha BHC	N.D.	0.0020	0.010	ug/l	110	110	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	110	110	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	110	110	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	120	120	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	97	97	45-130	0	20
Aldrin	N.D.	0.0050	0.020	ug/l	76	76	47-122	0	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	96	95	73-141	1	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	119	119	44-154	0	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	138	138	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	125	125	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	100	100	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	95	105	62-135	10	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	105	105	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	97	97	66-131	0	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	95	100	56-140	5	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	100	95	36-158	5	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	140	140	49-155	0	20
Batch number: 052290023A	Sample number(s): 4585125,4585127-4585128,4585130,4585132,4585134,4585136,4585138-4585139								
Ethylene dibromide	N.D.	0.010	0.030	ug/l	108	108	60-140	0	20
Batch number: 052291848008	Sample number(s): 4585125-4585126,4585128-4585138								
Thallium	N.D.	0.0100	0.0200	mg/l	101		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	102		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	98		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	99		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	105		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	103		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	100		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	104		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	101		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	101		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	108		96-114		

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:05 PM

Group Number: 955621

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Zinc	N.D.	0.0053	0.0200	mg/l	102		90-112		
Batch number: 052295713002	Sample number(s): 4585125-4585126, 4585128-4585138								
Mercury	N.D.	0.00006	0.00020	mg/l	106		80-120		
		2							
Batch number: 05229WAF026	Sample number(s): 4585125, 4585127-4585128, 4585130, 4585132, 4585134, 4585136, 4585138								
1,4-Dioxane	N.D.	1.	5.	ug/l	56	61	43-73	7	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	91	96	65-107	4	30
2-Chlorophenol	N.D.	1.	5.	ug/l	84	91	63-112	9	30
Phenol	N.D.	1.	5.	ug/l	38	41	29-57	7	30
2-Nitrophenol	N.D.	1.	5.	ug/l	92	102	83-119	11	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	78	85	60-107	8	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	84	90	66-110	7	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	87	92	48-114	6	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	86	91	69-111	6	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	66	72	44-130	9	30
4-Nitrophenol	N.D.	10.	30.	ug/l	38	40	16-75	4	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	76	83	56-130	9	30
Pentachlorophenol	N.D.	3.	15.	ug/l	72	84	48-108	15	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	58	63	39-84	9	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	81	87	57-110	7	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	83	89	52-102	8	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	83	90	54-103	9	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	80	87	58-99	9	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	110	119	68-133	7	30
Hexachloroethane	N.D.	1.	5.	ug/l	82	90	33-106	9	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	85	92	56-109	9	30
Nitrobenzene	N.D.	1.	5.	ug/l	85	91	61-111	7	30
Isophorone	N.D.	1.	5.	ug/l	83	88	63-105	5	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	95	99	69-119	5	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	86	91	62-101	6	30
Naphthalene	N.D.	1.	5.	ug/l	86	91	70-102	6	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	86	96	33-118	10	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	91	99	14-169	9	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	73	77	56-100	5	30
Acenaphthylene	N.D.	1.	5.	ug/l	99	107	65-120	8	30
Dimethylphthalate	N.D.	2.	5.	ug/l	84	86	46-109	2	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	85	91	70-108	7	30
Acenaphthene	N.D.	1.	5.	ug/l	88	92	68-111	5	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	89	92	75-122	3	30
Fluorene	N.D.	1.	5.	ug/l	83	88	61-116	5	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	86	90	65-110	4	30
Diethylphthalate	N.D.	2.	5.	ug/l	89	93	61-110	5	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	86	96	62-106	11	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	88	97	63-104	9	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	87	96	67-110	10	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	86	93	68-113	8	30
Phenanthrene	N.D.	1.	5.	ug/l	88	95	68-111	8	30
Anthracene	N.D.	1.	5.	ug/l	86	93	68-108	7	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	94	100	63-113	6	30
Fluoranthene	N.D.	1.	5.	ug/l	83	90	66-108	8	30
Pyrene	N.D.	1.	5.	ug/l	91	96	68-114	5	30
Benzidine	N.D.	20.	60.	ug/l	92	95	20-134	3	30

\*- Outside of specification

\*\*- This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:05 PM

Group Number: 955621

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Butylbenzylphthalate	N.D.	2.	5.	ug/l	95	99	63-120	3	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	84	89	72-112	5	30
Chrysene	N.D.	1.	5.	ug/l	87	91	70-111	4	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	90	93	39-116	4	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	98	100	62-126	2	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	105	107	58-118	2	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	92	97	67-117	6	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	87	91	67-120	5	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	90	98	68-121	8	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	87	94	67-122	8	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	94	100	71-129	6	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	88	96	67-121	9	30
Batch number: 05230117101B	Sample number(s): 4585125,4585130,4585132,4585134								
Total Cyanide	N.D.	0.0050	0.010	mg/l	97		90-110		
Batch number: 05232120102A	Sample number(s): 4585125,4585130,4585132,4585134,4585136,4585138								
Phenols	N.D.	0.0090	0.030	mg/l	101	99	83-108	2	20
Batch number: 05234117101A	Sample number(s): 4585136,4585138								
Total Cyanide	N.D.	0.0050	0.010	mg/l	103		90-110		
Batch number: 052350005A	Sample number(s): 4585134								
Alpha BHC	N.D.	0.0020	0.010	ug/l	98	99	56-122	1	20
Beta BHC	N.D.	0.012	0.040	ug/l	110	110	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	100	100	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	95	95	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	96	95	45-130	1	20
Aldrin	N.D.	0.0050	0.020	ug/l	82	79	47-122	4	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	100	100	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	90	90	44-154	0	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	95	95	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	80	85	47-159	6	20
Dieldrin	N.D.	0.010	0.030	ug/l	100	100	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	100	100	62-135	0	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	100	100	66-131	0	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	100	105	56-140	5	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	100	100	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	97	98	49-155	1	20
Batch number: N052301AA	Sample number(s): 4585125,4585127-4585128,4585130,4585132,4585134,4585136,4585138-4585139								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	107	106	77-127	1	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	94	95	57-141	1	30
Chloromethane	N.D.	1.	5.	ug/l	132	133	59-177	0	30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:05 PM

Group Number: 955621

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Vinyl Chloride	N.D.	1.	5.	ug/l	118	116	71-134	1	30
Bromomethane	N.D.	1.	5.	ug/l	104	103	62-131	0	30
Chloroethane	N.D.	1.	5.	ug/l	105	102	67-127	2	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	124	123	70-148	1	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	115	115	79-130	0	30
Methylene Chloride	N.D.	2.	5.	ug/l	109	108	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	110	109	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	113	111	83-127	2	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	111	111	84-117	0	30
Chloroform	N.D.	0.8	5.	ug/l	111	110	86-124	1	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	111	110	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	109	108	77-130	1	30
Benzene	N.D.	0.5	5.	ug/l	112	112	85-117	0	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	111	111	77-132	0	30
Trichloroethene	N.D.	1.	5.	ug/l	110	110	87-117	0	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	111	112	80-117	1	30
Bromodichloromethane	N.D.	1.	5.	ug/l	105	105	83-121	0	30
Toluene	N.D.	0.7	5.	ug/l	95	96	85-115	1	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	93	94	86-113	1	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	93	93	74-125	0	30
Dibromochloromethane	N.D.	1.	5.	ug/l	94	94	78-119	0	30
Chlorobenzene	N.D.	0.8	5.	ug/l	95	95	85-115	0	30
Ethylbenzene	N.D.	0.8	5.	ug/l	95	96	82-119	1	30
Bromoform	N.D.	1.	5.	ug/l	84	84	69-118	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	90	90	72-119	0	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	92	93	79-114	0	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	111	110	78-114	1	30
Xylene (Total)	N.D.	0.8	5.	ug/l	96	96	83-113	1	30
Acrylonitrile	N.D.	4.	20.	ug/l	105	105	55-137	0	30
Acrolein	N.D.	40.	100.	ug/l	96	94	28-146	2	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	115	115	53-133	0	30

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG CONC	DUP CONC	DUP RPD	Dup RPD Max
Batch number: 052290023A	Sample number(s): 4585125,4585127-4585128,4585130,4585132,4585134,4585136,4585138-4585139							
Ethylene dibromide	108		65-135		N.D.	N.D.	0 (1)	30
Batch number: 052291848008	Sample number(s): 4585125-4585126,4585128-4585138							
Thallium	105	105	89-112	0	20	N.D.	346* (1)	20
Arsenic	107	112	86-119	4	20	0.0109 J	36* (1)	20
Selenium	101	103	75-125	2	20	N.D.	3 (1)	20
Antimony	104	107	75-125	3	20	N.D.	25* (1)	20
Beryllium	107	112	91-117	4	20	N.D.	109* (1)	20
Cadmium	104	109	87-117	5	20	N.D.	147* (1)	20
Chromium	103	107	86-118	4	20	N.D.	25* (1)	20
Copper	111	113	89-119	2	20	N.D.	29* (1)	20
Lead	105	108	87-118	3	20	N.D.	15 (1)	20
Nickel	104	108	91-111	4	20	0.0374	2 (1)	20

\*- Outside of specification

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- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:05 PM

Group Number: 955621

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Silver	114	116	75-125	1	20	N.D.	N.D.	247* (1)
Zinc	103	103	80-120	1	20	N.D.	N.D.	70* (1)
Batch number: 052295713002	Sample number(s): 4585125-4585126, 4585128-4585138							
Mercury	87	87	75-125	1	20	N.D.	N.D.	80* (1)
Batch number: 05230117101B	Sample number(s): 4585125, 4585130, 4585132, 4585134							
Total Cyanide	89		82-114			N.D.	N.D.	200* (1)
Batch number: 05234117101A	Sample number(s): 4585136, 4585138							
Total Cyanide	100		82-114			N.D.	N.D.	0 (1)
Batch number: N052301AA	Sample number(s): 4585125, 4585127-4585128, 4585130, 4585132, 4585134, 4585136, 4585138-4585139							
Methyl Tertiary Butyl Ether	107		69-134					
t-Butyl alcohol	(2)		51-147					
Chloromethane	148		72-208					
Vinyl Chloride	131		81-150					
Bromomethane	94		59-143					
Chloroethane	113		63-142					
Trichlorofluoromethane	148		77-177					
1,1-Dichloroethene	131		87-145					
Methylene Chloride	112		79-133					
trans-1,2-Dichloroethene	121		82-133					
1,1-Dichloroethane	121		85-135					
cis-1,2-Dichloroethene	120		83-126					
Chloroform	120		82-131					
1,1,1-Trichloroethane	121		81-142					
Carbon Tetrachloride	119		79-155					
Benzene	122		83-128					
1,2-Dichloroethane	120		73-136					
Trichloroethene	121		83-136					
1,2-Dichloropropane	119		83-129					
Bromodichloromethane	110		80-129					
Toluene	106		83-127					
1,1,2-Trichloroethane	99		77-125					
Tetrachloroethene	102		78-133					
Dibromochloromethane	94		73-119					
Chlorobenzene	102		83-120					
Ethylbenzene	105		82-129					
Bromoform	82		64-119					
1,1,2,2-Tetrachloroethane	93		69-121					
trans-1,3-Dichloropropene	96		75-117					
cis-1,3-Dichloropropene	116		76-117					
Xylene (Total)	104		82-130					
Acrylonitrile	113		54-132					
Acrolein	98		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					

### Surrogate Quality Control

\*- Outside of specification

\*\*- This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:05 PM

Group Number: 955621

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052290011A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4585125	87	47
4585128	89	90
4585130	93	74
4585132	92	299*
4585136	73	178*
4585138	93	101
Blank	90	96
LCS	94	101
LCSD	95	105
Limits:	45-125	47-155

Analysis Name: EDB in Wastewater  
Batch number: 052290023A  
1,1,2,2-  
Tetrachloroethane

4585125	100
4585127	112
4585128	114
4585130	115
4585132	329*
4585134	88
4585136	85
4585138	100
4585139	99
Blank	123
DUP	114
LCS	120
LCSD	126
MS	121*
Limits:	52-120

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05229WAF026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4585125	52	34	95	88
4585127	57	36	95	90
4585128	51	32	83	82
4585130	57	38	99	96
4585132	48	33	91	107
4585134	56	36	85	86
4585136	48	33	90	85
4585138	58	36	95	88
Blank	54	34	89	84
LCS	58	37	87	87
LCSD	64	40	91	95
Limits:	10-99	10-80	31-148	51-123
	2-Fluorobiphenyl	Terphenyl-d14		

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/28/05 at 02:05 PM

Group Number: 955621

### Surrogate Quality Control

4585125	89	83
4585127	89	108
4585128	79	147
4585130	94	109
4585132	92	163*
4585134	86	92
4585136	88	99
4585138	89	125
Blank	89	127
LCS	87	99
LCSD	94	91

Limits: 64-112 52-151

Analysis Name: PPL Pesticides in Water  
Batch number: 052350005A

Tetrachloro-m-xylene Decachlorobiphenyl

4585134	91	83
Blank	95	109
LCS	98	111
LCSD	98	111

Limits: 45-125 47-155

Analysis Name: PPL + Xylene (total) by 8260  
Batch number: N052301AA

Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene

4585125	104	104	99	107
4585127	105	105	100	108
4585128	105	105	100	108
4585130	104	105	100	107
4585132	105	105	101	108
4585134	105	105	99	109
4585136	105	106	99	108
4585138	104	105	99	108
4585139	105	103	99	108
Blank	103	102	98	106
LCS	105	106	99	108
LCSD	105	103	99	108
MS	106	107	100	110

Limits: 81-120 82-112 85-112 83-113

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 955621 Sample Nos.: 4505125-39  
Acc't No.: 11549 SCR No.:  
Cooler temperature upon receipt: 4.0 °C

Client: <u>Montgomery Watson Harza</u> Acc't #: <u>11549</u>		Matrix		Analyses Requested												Remarks:				
Project Manager: <u>[Redacted]</u> Quote #:																				
Project Name/ID: <u>Former Metro Container Investigation</u>																				
Sampler: <u>[Redacted]</u>																				
P.O. #:																				
Name of state where samples were collected: <u>PA</u>																				
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOA6, MTBE, TBA	VOA TICs - 15	EDB (8011)	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals (total)	PPL Metals (filtered)	PPL Pest/PCBs	Phenol	Cyanide		
05-MET-011	8/16/05	0830	X			X			X									X	N (0-12)	
05-MET-006		0900						6	X			X							N (0-12)	
05-MET-132		1030						9	X						X				N (0-16)	
05-MET-018		1100							X								X		N (0-16)	
05-MET-066		1230							X								X		N (0-15)	
05-MET-004	8/16/05	1430							X								X		N (0-16)	
05-MET-055	8/16/05	1500							X								X		N (1.5-16.5)	
EB08/605W	8/16/05	1530							X								X		N EB	
TB08/605W	8/16/05								X	X	X								N TB	
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush									Date:	Time:	Received by:			Date:	Time:					
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)									8/16/05	1600	[Redacted]			8/16/05	1600					
Date results are needed:									Date:	Time:	Received by:			Date:	Time:					
Rush results requested by (please circle): Fax Email									8/16/05	17:50										
Fax #: Email address:																				
Data Package Options (please circle if required)									Relinquished by:			Date:	Time:	Received by:			Date:	Time:		
QC Summary																				
Type I (Tier I)																				
Type II (Tier II)																				
Type III (NJ Reduced Del.)																				
Type IV (CLP)																				
Type VI (Raw Data)																				
GLP																				
Other																				
SDG Complete? Yes No																				
Site specific QC required? Yes No																				
(If yes, indicate QC sample and submit triplicate volume.)																				
Internal chain of custody required? Yes No																				

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR101945

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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REVISED

**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 955791. Samples arrived at the laboratory on Wednesday, August 17, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-002 Grab Soil Sample	4585804
05-MET-130 Grab Soil Sample	4585805
05-MET-076 Grab Soil Sample	4585806
05-MET-076A Grab Soil Sample	4585807
05-MET-080 Grab Soil Sample	4585808
05-MET-079 Grab Soil Sample	4585809
05-MET-108 Grab Soil Sample	4585810
05-MET-025 Grab Soil Sample	4585811
05-MET-079S Grab Soil Sample	4585812
TB081705S Trip Blank Methanol Sample	4585813
05-MET-059 Grab Soil Sample	4585814
05-MET-026 Grab Soil Sample	4585815
05-MET-068 Grab Soil Sample	4585816
05-MET-069 Grab Soil Sample	4585817
05-MET-026S Grab Soil Sample	4585818
05-MET-059V Grab Soil Sample	4585819
EB081705S Equipment Blank Water Sample	4585820

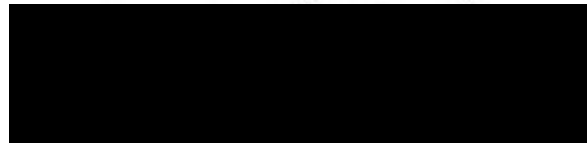
1 COPY TO      Montgomery Watson Harza

Attn: [REDACTED]

REVISED

Questions? Contact your Client Services Representative  
[REDACTED] at (717) 656-2300

Respectfully Submitted,



Group Leader

Lancaster Laboratories Sample No. SW 4585804

05-MET-002 Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 07:40

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:07  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05M02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	1.23	0.0181	0.677	mg/kg	5
06925	Thallium	7440-28-0	2.54 J	1.31	2.73	mg/kg	1
06935	Arsenic	7440-38-2	4.51	0.915	2.73	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.31	2.73	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.12	2.73	mg/kg	1
06947	Beryllium	7440-41-7	0.575 J	0.0587	0.683	mg/kg	1
06949	Cadmium	7440-43-9	0.259 J	0.117	0.683	mg/kg	1
06951	Chromium	7440-47-3	58.3	0.724	2.05	mg/kg	1
06953	Copper	7440-50-8	19.6	0.410	1.37	mg/kg	1
06955	Lead	7439-92-1	31.0	1.07	2.73	mg/kg	1
06961	Nickel	7440-02-0	44.2	0.451	1.37	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.259	0.683	mg/kg	1
06972	Zinc	7440-66-6	109.	0.628	2.73	mg/kg	1
00111	Moisture	n.a.	28.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.25	0.70	mg/kg	1
05912	Phenols	n.a.	N.D.	1.7	4.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0118	0.0578	mg/kg	50
01219	Heptachlor	76-44-8	N.D.	0.0118	0.0578	mg/kg	50
01220	Aldrin	309-00-2	N.D.	0.0118	0.0578	mg/kg	50
01221	p,p-DDT	50-29-3	N.D.	0.0230	0.118	mg/kg	50
01222	Dieldrin	60-57-1	N.D.	0.116	0.118	mg/kg	50
01223	Endrin	72-20-8	N.D.	0.0230	0.118	mg/kg	50
01859	Methoxychlor	72-43-5	N.D.	0.118	0.578	mg/kg	50
01981	Alpha BHC	319-84-6	N.D.	0.0118	0.0578	mg/kg	50
01982	Beta BHC	319-85-7	N.D.	0.0118	0.0578	mg/kg	50
01983	Delta BHC	319-86-8	N.D.	0.0169	0.0578	mg/kg	50
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0118	0.0578	mg/kg	50
01985	p,p-DDE	72-55-9	N.D.	0.242	0.242	mg/kg	50
01986	p,p-DDD	72-54-8	N.D.	0.0230	0.118	mg/kg	50
01987	Chlordane	57-74-9	1.67	0.279	1.18	mg/kg	50
01988	Toxaphene	8001-35-2	N.D.	0.766	2.30	mg/kg	50
01989	Endosulfan I	959-98-8	N.D.	0.0118	0.0578	mg/kg	50
01990	Endosulfan II	33213-65-9	N.D.	0.0230	0.118	mg/kg	50
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0230	0.118	mg/kg	50
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0230	0.118	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR101949



Lancaster Laboratories Sample No. SW 4585804

05-MET-002 Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 07:40

by █

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:07  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05M02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.515	1.18	mg/kg	50
01994	PCB-1221	11104-28-2	N.D.	0.230	1.18	mg/kg	50
01995	PCB-1232	11141-16-5	N.D.	0.334	1.18	mg/kg	50
01996	PCB-1242	53469-21-9	N.D.	0.209	1.18	mg/kg	50
01997	PCB-1248	12672-29-6	1.04 J	0.766	2.30	mg/kg	50
01998	PCB-1254	11097-69-1	1.61	0.230	1.18	mg/kg	50
01999	PCB-1260	11096-82-5	N.D.	0.766	2.30	mg/kg	50

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for delta-BHC, 4,4'-DDE, and dieldrin. Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.42	2.1	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.14	0.70	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.14	0.70	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.14	0.70	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.14	0.70	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.14	0.70	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.28	0.70	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.14	0.70	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.70	2.1	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.28	0.70	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.70	2.1	mg/kg	1
01195	Pyrene	129-00-0	0.24 J	0.14	0.70	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.14	0.70	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.14	0.70	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.42	0.70	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.14	0.70	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.14	0.70	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	2.8	8.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.70	2.1	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.28	0.70	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.14	0.70	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.14	0.70	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.14	0.70	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.14	0.70	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.14	0.70	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101950

Lancaster Laboratories Sample No. SW 4585804

05-MET-002 Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 07:40

by █

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:07  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05M02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.14	0.70	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.14	0.70	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.14	0.70	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.14	0.70	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.28	0.70	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.70	2.1	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.14	0.70	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.14	0.70	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.28	0.70	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.14	0.70	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.14	0.70	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.14	0.70	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.28	0.70	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.14	0.70	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.14	0.70	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.14	0.70	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.14	0.70	mg/kg	1
03775	Phenanthrene	85-01-8	0.17 J	0.14	0.70	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.14	0.70	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.28	0.70	mg/kg	1
03778	Fluoranthene	206-44-0	0.24 J	0.14	0.70	mg/kg	1
03779	Benzidine	92-87-5	N.D.	2.8	8.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.28	0.70	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.15 J	0.14	0.70	mg/kg	1
03782	Chrysene	218-01-9	0.16 J	0.14	0.70	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.42	1.4	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.52 J	0.28	1.4	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.28	0.70	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.24 J	0.14	0.70	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.14	0.70	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.22 J	0.14	0.70	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.15 J	0.14	0.70	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.14	0.70	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.24 J	0.14	0.70	mg/kg	1

Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

AR101951

Lancaster Laboratories Sample No. SW 4585804

05-MET-002 Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 07:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:07  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05M02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.02
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.02
02020	t-Butyl alcohol	75-65-0	N.D.	0.028	0.14	mg/kg	1.02
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.02
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.02
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.02
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.02
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.02
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.02
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.02
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.02
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1.02
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1.02
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.02
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.02
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.02
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.02
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.02
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.02
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.02
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	1.02
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.02
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.02
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.02
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	1.02
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.02
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.02
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.02
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	1.02
07586	Acrolein	107-02-8	N.D.	0.028	0.14	mg/kg	1.02
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.028	mg/kg	1.02

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*This limit was used in the evaluation of the final result

AR101952

Lancaster Laboratories Sample No. SW 4585804

05-MET-002 Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 07:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 09/06/2005 at 13:07

Discard: 10/07/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

05M02

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:20	[REDACTED]	5
06925	Thallium	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/21/2005 17:31	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 12:49	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/24/2005 10:19	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 18:21	[REDACTED]	50
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 19:15	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/22/2005 23:39	[REDACTED]	1.02
07584	PPL Volatiles	SW-846 8260B	1	08/22/2005 23:39	[REDACTED]	1.02
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101953

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REVISED

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/22/2005 01:45	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:16	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:16	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:16	[REDACTED]	n.a.

AR101954

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585804  
Sample wt/vol: 4.89 (g/mL) g Lab File ID: HP09193.i/05aug22b.b/xg22s32.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. 28 Date Analyzed: 08/22/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.95	0.31	J
2. 7446-09-5	Sulfur dioxide	2.10	0.065	J
3.	Unknown siloxane	10.24	0.004	J B
4.	Unknown siloxane	12.26	0.012	J B
5.				
6.				
7.				
8.				
9.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101955

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585804  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh312.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 28 Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 15 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	7.269	.62	JAB
2.123-42-2	2-Pentanone, 4-hydroxy-4-met	8.247	.55	JAB
3.	Unknown	22.672	.67	J
4.	Unknown	23.025	.90	J
5.	Unknown Alkane	23.115	.90	J
6.	Unknown	23.186	.68	J
7.	Unknown	23.277	1.3	J
8.	Unknown	23.438	.73	J
9.	Unknown	23.690	.62	J
10.	Unknown Alkane	23.781	.87	J
11.	Unknown	23.932	.94	J
12.	Unknown Alkane	25.422	.66	J
13.	Unknown Alkane	26.448	.57	J
14.	Unknown Alkane	30.997	.89	J
15.	Unknown	39.533	.92	J
16.				
17.				
18.				
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30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR101956

Lancaster Laboratories Sample No. SW 4585805

05-MET-130 Grab Soil Sample  
N(8.5-9.0)  
Former Metro Container Investigation

Collected: 08/17/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:07  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05130

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0513 J	0.0034	0.127	mg/kg	1
06925	Thallium	7440-28-0	1.96 J	1.22	2.54	mg/kg	1
06935	Arsenic	7440-38-2	6.07	0.852	2.54	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.22	2.54	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.04	2.54	mg/kg	1
06947	Beryllium	7440-41-7	0.535 J	0.0547	0.635	mg/kg	1
06949	Cadmium	7440-43-9	0.372 J	0.109	0.635	mg/kg	1
06951	Chromium	7440-47-3	30.5	0.674	1.91	mg/kg	1
06953	Copper	7440-50-8	24.0	0.381	1.27	mg/kg	1
06955	Lead	7439-92-1	68.9	0.991	2.54	mg/kg	1
06961	Nickel	7440-02-0	15.2	0.419	1.27	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.241	0.635	mg/kg	1
06972	Zinc	7440-66-6	129.	0.585	2.54	mg/kg	1
00111	Moisture	n.a.	22.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.64	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00218	0.0107	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00218	0.0107	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00218	0.0107	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00424	0.0218	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.0154	0.0218	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00424	0.0218	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0218	0.107	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00218	0.0107	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00218	0.0107	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00449	0.0107	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00218	0.0107	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.0154	0.0218	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.0411	0.0411	mg/kg	10
01987	Chlordane	57-74-9	0.112 J	0.0513	0.218	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.141	0.424	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00218	0.0107	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00424	0.0218	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00424	0.0218	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00424	0.0218	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101957



Lancaster Laboratories Sample No. SW 4585805

05-MET-130 Grab Soil Sample  
N(8.5-9.0)  
Former Metro Container Investigation

Collected: 08/17/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:07  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05130

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0950	0.218	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0424	0.218	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0616	0.218	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0385	0.218	mg/kg	10
01997	PCB-1248	12672-29-6	0.222 J	0.141	0.424	mg/kg	10
01998	PCB-1254	11097-69-1	0.331	0.0424	0.218	mg/kg	10
01999	PCB-1260	11096-82-5	0.493	0.141	0.424	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for delta-BHC, 4,4'-DDE, dieldrin, and 4,4'-DDD.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.39	1.9	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.13	0.64	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.13	0.64	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.13	0.64	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.13	0.64	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.13	0.64	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.26	0.64	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.13	0.64	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.64	1.9	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.26	0.64	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.64	1.9	mg/kg	1
01195	Pyrene	129-00-0	0.58 J	0.13	0.64	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.13	0.64	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.13	0.64	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.39	0.64	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.13	0.64	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.13	0.64	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	2.6	7.7	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.64	1.9	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.26	0.64	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.13	0.64	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.13	0.64	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.13	0.64	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.13	0.64	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR101958

Lancaster Laboratories Sample No. SW 4585805

05-MET-130 Grab Soil Sample  
N(8.5-9.0)  
Former Metro Container Investigation

Collected: 08/17/2005 08:40

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:07  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05130

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.13	0.64	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.13	0.64	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.13	0.64	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.13	0.64	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.13	0.64	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.26	0.64	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.64	1.9	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.13	0.64	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.13	0.64	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.26	0.64	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.13	0.64	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.13	0.64	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.13	0.64	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.26	0.64	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.13	0.64	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.13	0.64	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.13	0.64	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.13	0.64	mg/kg	1
03775	Phenanthrene	85-01-8	0.31 J	0.13	0.64	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.13	0.64	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.26	0.64	mg/kg	1
03778	Fluoranthene	206-44-0	0.55 J	0.13	0.64	mg/kg	1
03779	Benzidine	92-87-5	N.D.	2.6	7.7	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.26	0.64	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.30 J	0.13	0.64	mg/kg	1
03782	Chrysene	218-01-9	0.29 J	0.13	0.64	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.39	1.3	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.26 J	0.26	1.3	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.26	0.64	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.49 J	0.13	0.64	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.20 J	0.13	0.64	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.35 J	0.13	0.64	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.23 J	0.13	0.64	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.13	0.64	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.28 J	0.13	0.64	mg/kg	1

Due to insufficient sample, the reporting limits for the GC/MS semivolatiles compounds were raised.

\*=This limit was used in the evaluation of the final result

AR101959

Lancaster Laboratories Sample No. SW 4585805

05-MET-130 Grab Soil Sample  
N(8.5-9.0)  
Former Metro Container Investigation

Collected: 08/17/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:07  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05130

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.93
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.93
02020	t-Butyl alcohol	75-65-0	N.D.	0.024	0.12	mg/kg	0.93
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.93
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.93
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.93
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.93
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.93
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.93
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.93
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.93
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.93
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.93
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.93
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.93
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.93
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.93
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.93
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.93
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.93
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.93
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.93
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.93
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.93
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.93
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.93
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.93
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.93
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.93
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.93
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.93
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.93
07586	Acrolein	107-02-8	N.D.	0.024	0.12	mg/kg	0.93
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.024	mg/kg	0.93

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

AR101960

Lancaster Laboratories Sample No. SW 4585805

05-MET-130 Grab Soil Sample  
N(8.5-9.0)  
Former Metro Container Investigation

Collected: 08/17/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 09/06/2005 at 13:07

Discard: 10/07/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

05130

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 11:58	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/21/2005 17:36	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 12:50	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/24/2005 10:20	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 19:24	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 22:44	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 00:02	[REDACTED]	0.93
07584	PPL Volatiles	SW-846 8260B	1	08/23/2005 00:02	[REDACTED]	0.93

\*=This limit was used in the evaluation of the final result

AR101961

Lancaster Laboratories Sample No. SW 4585805

05-MET-130 Grab Soil Sample

N(8.5-9.0)

Former Metro Container Investigation

Collected: 08/17/2005 08:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 09/06/2005 at 13:07

Discard: 10/07/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

05130

00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/22/2005 01:45	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:18	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:18	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:18	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585805  
Sample wt/vol: 5.39 (g/mL) g Lab File ID: HP09193.i/05aug22b.b/xg22s33.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. 22 Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.96	0.68	J
2. 75-15-0	Carbon disulfide	3.88	0.008	J
3.	Unknown siloxane	10.24	0.006	J B
4.	Unknown siloxane	12.26	0.008	J B
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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26.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101963

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 05130  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) SOIL Lab Sample ID: 4585805  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh316.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 22 Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 4 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	7.280	.57	JAB
2.123-42-2	2-Pentanone, 4-hydroxy-4-met	8.317	.58	JAB
3.	Benzo[e]pyrene	32.228	.52	JX
4.	Unknown	39.534	.83	J
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101964



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4585806

05-MET-076 Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 09:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:08  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05076

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.744	0.0033	0.122	mg/kg	1
06925	Thallium	7440-28-0	1.21 J	1.18	2.45	mg/kg	1
06935	Arsenic	7440-38-2	10.8	0.822	2.45	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.18	2.45	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.01	2.45	mg/kg	1
06947	Beryllium	7440-41-7	0.592 J	0.0528	0.614	mg/kg	1
06949	Cadmium	7440-43-9	2.32	0.106	0.614	mg/kg	1
06951	Chromium	7440-47-3	76.8	0.651	1.84	mg/kg	1
06953	Copper	7440-50-8	98.9	0.368	1.23	mg/kg	1
06955	Lead	7439-92-1	203.	0.957	2.45	mg/kg	1
06961	Nickel	7440-02-0	26.1	0.405	1.23	mg/kg	1
06966	Silver	7440-22-4	0.259 J	0.233	0.614	mg/kg	1
06972	Zinc	7440-66-6	180.	0.565	2.45	mg/kg	1
00111	Moisture	n.a.	20.9	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.33 J	0.25	0.69	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0129	0.0630	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.0129	0.0630	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.0129	0.0630	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0250	0.129	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.240	0.240	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0250	0.129	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.129	0.630	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.0129	0.0630	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.0129	0.0630	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.0159	0.0630	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0129	0.0630	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.167	0.167	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.518	0.518	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.303	1.29	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.834	2.50	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.0129	0.0630	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0250	0.129	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0250	0.129	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0250	0.129	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101965



Lancaster Laboratories Sample No. SW 4585806

05-MET-076 Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 09:40

by █

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:08  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05076

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.561	1.29	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.250	1.29	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.364	1.29	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.228	1.29	mg/kg	20
01997	PCB-1248	12672-29-6	3.63	0.834	2.50	mg/kg	20
01998	PCB-1254	11097-69-1	5.24	0.250	1.29	mg/kg	20
01999	PCB-1260	11096-82-5	4.95	0.834	2.50	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, and 4,4'-DDD. Despite cleanup methods, we were unable to reach our usual reporting limits.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	3.8	19.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.3	6.3	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.3	6.3	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.3	6.3	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.3	6.3	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.3	6.3	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.5	6.3	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	1.3	6.3	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	6.3	19.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.5	6.3	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	6.3	19.	mg/kg	10
01195	Pyrene	129-00-0	3.4 J	1.3	6.3	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	1.3	6.3	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.3	6.3	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	3.8	6.3	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.3	6.3	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.3	6.3	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	25.	76.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	6.3	19.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.5	6.3	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.3	6.3	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.3	6.3	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.3	6.3	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101966

Lancaster Laboratories Sample No. SW 4585806

05-MET-076 Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 09:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:08  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05076

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.3	6.3	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	1.3	6.3	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.3	6.3	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.3	6.3	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.3	6.3	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	1.3	6.3	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.5	6.3	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	6.3	19.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.3	6.3	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.3	6.3	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.5	6.3	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.3	6.3	mg/kg	10
03768	Fluorene	86-73-7	N.D.	1.3	6.3	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.3	6.3	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.5	6.3	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.3	6.3	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.3	6.3	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.3	6.3	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.3	6.3	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	1.3	6.3	mg/kg	10
03776	Anthracene	120-12-7	N.D.	1.3	6.3	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	2.5	6.3	mg/kg	10
03778	Fluoranthene	206-44-0	1.8 J	1.3	6.3	mg/kg	10
03779	Benzidine	92-87-5	N.D.	25.	76.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.5	6.3	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	1.8 J	1.3	6.3	mg/kg	10
03782	Chrysene	218-01-9	2.2 J	1.3	6.3	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	3.8	13.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	4.2 J	2.5	13.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.5	6.3	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	2.0 J	1.3	6.3	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	1.3	6.3	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	2.6 J	1.3	6.3	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.3 J	1.3	6.3	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	1.4 J	1.3	6.3	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	3.1 J	1.3	6.3	mg/kg	10
Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.							

\*=This limit was used in the evaluation of the final result

AR101967

Lancaster Laboratories Sample No. SW 4585806

05-MET-076 Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 09:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:08  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05076

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.22
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.22
02020	t-Butyl alcohol	75-65-0	N.D.	0.031	0.15	mg/kg	1.22
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.22
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.22
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.22
05447	Chloroethane	75-00-3	0.030	0.003	0.008	mg/kg	1.22
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.22
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.22
05450	Methylene Chloride	75-09-2	0.004 J	0.003	0.008	mg/kg	1.22
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.22
05452	1,1-Dichloroethane	75-34-3	0.004 J	0.002	0.008	mg/kg	1.22
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.008	mg/kg	1.22
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.22
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.22
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.22
05460	Benzene	71-43-2	0.001 J	0.0008	0.008	mg/kg	1.22
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.22
05462	Trichloroethene	79-01-6	N.D.	0.002	0.008	mg/kg	1.22
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.22
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.22
05466	Toluene	108-88-3	0.005 J	0.002	0.008	mg/kg	1.22
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.22
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.008	mg/kg	1.22
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.22
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	1.22
05474	Ethylbenzene	100-41-4	0.003 J	0.002	0.008	mg/kg	1.22
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.22
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.22
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.22
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.22

\*=This limit was used in the evaluation of the final result

AR101968

Lancaster Laboratories Sample No. SW 4585806

05-MET-076 Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 09:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 09/06/2005 at 13:08

Discard: 10/07/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

05076

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06301	Xylene (Total)	1330-20-7	0.009	0.002	0.008	mg/kg	1.22
07586	Acrolein	107-02-8	N.D.	0.031	0.15	mg/kg	1.22
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.031	mg/kg	1.22

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 11:59	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/21/2005 17:41	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/21/2005 17:41	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/21/2005 17:41	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/21/2005 17:41	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/21/2005 17:41	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/21/2005 17:41	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/21/2005 17:41	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/21/2005 17:41	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/21/2005 17:41	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/21/2005 17:41	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101969

Lancaster Laboratories Sample No. SW 4585806

05-MET-076 Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 09:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:08  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05076							
06966	Silver	SW-846 6010B	1	08/21/2005 17:41		1	
06972	Zinc	SW-846 6010B	1	08/21/2005 17:41		1	
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56		1	
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 12:52		1	
05912	Phenols	SW846 9066	1	08/24/2005 10:21		1	
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 19:45		20	
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 23:36		10	
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 15:05		1.22	
07584	PPL Volatiles	SW-846 8260B	1	08/23/2005 15:05		1.22	
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30		1	
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45		1	
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00		1	
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/22/2005 01:45		1	
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1	
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40		1	
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:19		1	
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:19		n.a.	
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:19		n.a.	

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

05076

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585806  
Sample wt/vol: 4.1 (g/mL) g Lab File ID: HP09193.i/05aug23a.b/xg23s01.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. 21 Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	3.6	J
2.	Unknown alicyclic	11.66	0.075	J
3.	Unknown siloxane	12.26	0.073	J B
4.	Unknown alicyclic	12.29	0.085	J
5.	Unknown	12.44	0.026	J
6.	Unknown alicyclic	12.51	0.059	J
7.	Unknown alkane	12.69	0.07	J
8.	Unknown alkane	12.72	0.064	J
9.	Unknown alkane	12.79	0.093	J
10.	Unknown alkane	12.91	0.10	J
11.	Unknown alkane	13.09	0.074	J
12.	Unknown aromatic	13.30	0.081	J
13.	Unknown alicyclic	13.47	0.057	J
14.	Unknown alkane	13.88	0.074	J
15.	Unknown alkane	14.15	0.063	J
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101971

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 05076  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) SOIL Lab Sample ID: 4585806  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh317.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 21 Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 4 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	8.156	69	JAB
2.	Unknown	24.492	5.3	J
3.	Unknown	37.733	5.1	J
4.	Unknown	39.534	6.6	J
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101972

Lancaster Laboratories Sample No. SW 4585807

05-MET-076A Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:09  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0576A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.812	0.0037	0.140	mg/kg	1
06925	Thallium	7440-28-0	2.48 J	1.38	2.88	mg/kg	1
06935	Arsenic	7440-38-2	15.0	0.964	2.88	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.38	2.88	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.18	2.88	mg/kg	1
06947	Beryllium	7440-41-7	1.03	0.0618	0.719	mg/kg	1
06949	Cadmium	7440-43-9	2.41	0.124	0.719	mg/kg	1
06951	Chromium	7440-47-3	123.	0.762	2.16	mg/kg	1
06953	Copper	7440-50-8	115.	0.431	1.44	mg/kg	1
06955	Lead	7439-92-1	275.	1.12	2.88	mg/kg	1
06961	Nickel	7440-02-0	35.9	0.475	1.44	mg/kg	1
06966	Silver	7440-22-4	0.375 J	0.273	0.719	mg/kg	1
06972	Zinc	7440-66-6	264.	0.662	2.88	mg/kg	1
00111	Moisture	n.a.	32.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	1.5	0.29	0.79	mg/kg	1
05912	Phenols	n.a.	N.D.	1.8	5.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0151	0.0738	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.0151	0.0738	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.0151	0.0738	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0293	0.151	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.121	0.151	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0293	0.151	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.151	0.738	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.0151	0.0738	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.0151	0.0738	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.0187	0.0738	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0151	0.0738	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.163	0.163	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.428	0.428	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.356	1.51	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.978	2.93	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.0151	0.0738	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0293	0.151	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0293	0.151	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0293	0.151	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101973



Lancaster Laboratories Sample No. SW 4585807

05-MET-076A Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:09  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0576A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.658	1.51	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.293	1.51	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.427	1.51	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.267	1.51	mg/kg	20
01997	PCB-1248	12672-29-6	3.32	0.978	2.93	mg/kg	20
01998	PCB-1254	11097-69-1	4.13	0.293	1.51	mg/kg	20
01999	PCB-1260	11096-82-5	2.77 J	0.978	2.93	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, and 4,4'-DDD. Despite cleanup methods, we were unable to reach our usual reporting limits.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	4.4	22.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.5	7.4	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.5	7.4	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.5	7.4	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.5	7.4	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.5	7.4	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	3.0	7.4	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	1.5	7.4	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	7.4	22.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	3.0	7.4	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	7.4	22.	mg/kg	10
01195	Pyrene	129-00-0	3.6 J	1.5	7.4	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	1.5	7.4	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.5	7.4	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	4.4	7.4	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.5	7.4	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.5	7.4	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	30.	89.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	7.4	22.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	3.0	7.4	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.5	7.4	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.5	7.4	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.5	7.4	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101974

Lancaster Laboratories Sample No. SW 4585807

05-MET-076A Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:09  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0576A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.5	7.4	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	1.5	7.4	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.5	7.4	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.5	7.4	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.5	7.4	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	1.5	7.4	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	3.0	7.4	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	7.4	22.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.5	7.4	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.5	7.4	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	3.0	7.4	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.5	7.4	mg/kg	10
03768	Fluorene	86-73-7	N.D.	1.5	7.4	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.5	7.4	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	3.0	7.4	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.5	7.4	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.5	7.4	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.5	7.4	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.5	7.4	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	1.5	7.4	mg/kg	10
03776	Anthracene	120-12-7	N.D.	1.5	7.4	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	3.0	7.4	mg/kg	10
03778	Fluoranthene	206-44-0	2.2 J	1.5	7.4	mg/kg	10
03779	Benzidine	92-87-5	N.D.	30.	89.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	3.0	7.4	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	1.8 J	1.5	7.4	mg/kg	10
03782	Chrysene	218-01-9	2.0 J	1.5	7.4	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.4	15.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	4.4 J	3.0	15.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	3.0	7.4	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	2.1 J	1.5	7.4	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	1.5	7.4	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	2.7 J	1.5	7.4	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.7 J	1.5	7.4	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	1.6 J	1.5	7.4	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	3.6 J	1.5	7.4	mg/kg	10
Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.							

\*=This limit was used in the evaluation of the final result

AR101975

Lancaster Laboratories Sample No. SW 4585807

05-MET-076A Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:09  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0576A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	0.97
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	0.97
02020	t-Butyl alcohol	75-65-0	N.D.	0.029	0.14	mg/kg	0.97
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	0.97
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	0.97
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	0.97
05447	Chloroethane	75-00-3	0.031	0.003	0.007	mg/kg	0.97
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	0.97
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	0.97
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	0.97
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	0.97
05452	1,1-Dichloroethane	75-34-3	0.005 J	0.001	0.007	mg/kg	0.97
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	0.97
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	0.97
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	0.97
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	0.97
05460	Benzene	71-43-2	0.002 J	0.0007	0.007	mg/kg	0.97
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	0.97
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	0.97
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	0.97
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	0.97
05466	Toluene	108-88-3	0.007 J	0.001	0.007	mg/kg	0.97
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	0.97
05468	Tetrachloroethene	127-18-4	0.002 J	0.001	0.007	mg/kg	0.97
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	0.97
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	0.97
05474	Ethylbenzene	100-41-4	0.008	0.001	0.007	mg/kg	0.97
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	0.97
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	0.97
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	0.97
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	0.97

\*This limit was used in the evaluation of the final result

AR101976



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 5 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4585807

05-MET-076A Grab Soil Sample

N(4.5-5)

Former Metro Container Investigation

Collected: 08/17/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 09/06/2005 at 13:09

Discard: 10/07/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

0576A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06301	Xylene (Total)	1330-20-7	0.013	0.001	0.007	mg/kg	0.97
07586	Acrolein	107-02-8	N.D.	0.029	0.14	mg/kg	0.97
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.029	mg/kg	0.97

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:00	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101977

Lancaster Laboratories Sample No. SW 4585807

05-MET-076A Grab Soil Sample  
N(4.5-5)  
Former Metro Container Investigation

Collected: 08/17/2005 09:45

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 09/06/2005 at 13:09

Discard: 10/07/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

0576A

06966	Silver	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/21/2005 17:45	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 12:53	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/24/2005 10:23	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 20:05	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 00:29	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 02:43	[REDACTED]	0.97
07584	PPL Volatiles	SW-846 8260B	1	08/23/2005 02:43	[REDACTED]	0.97
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/22/2005 01:45	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:21	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:21	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:21	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0576A

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585807  
Sample wt/vol: 5.16 (g/mL) g Lab File ID: HP09193.i/05aug22b.b/xg22s40.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. 33 Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	4.2	J
2.	Unknown siloxane	12.26	0.052	J B
3.	Unknown alicyclic	12.29	0.069	J
4.	Unknown alkane	12.68	0.078	J
5.	Unknown alkane	12.79	0.091	J
6.	Unknown alkane	12.85	0.063	J
7.	Unknown alkane	12.91	0.081	J
8.	Unknown alkane	13.08	0.07	J
9.	Unknown aromatic	13.30	0.089	J
10.	Unknown aromatic	13.39	0.065	J
11.	Unknown alicyclic	13.47	0.075	J
12.	Unknown aromatic	13.52	0.087	J
13.	Unknown hydrocarbon	13.74	0.067	J
14.	Unknown alkane	13.88	0.079	J
15.	Unknown alkane	14.15	0.07	J
16.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101979

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 0576A  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) SOIL Lab Sample ID: 4585807  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh318.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 33 Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 7 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	8.156	79	JAB
2.	Phenanthrene, 2,3-dimethyl-	22.596	6.3	JX
3.	9,10-Dimethylanthracene	22.757	7.2	JX
4.	Unknown	23.169	6.4	J
5.	Unknown Alkane	23.320	7.8	J
6.	Unknown Alkane	23.602	9.4	J
7.	11H-Benzo[a]fluorene	23.743	11	JX
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101980

Lancaster Laboratories Sample No. SW 4585808

05-MET-080 Grab Soil Sample  
N(8.5-9.0)  
Former Metro Container Investigation

Collected: 08/17/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:10  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05080

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0771 J	0.0033	0.124	mg/kg	1
06925	Thallium	7440-28-0	1.29 J	1.21	2.52	mg/kg	1
06935	Arsenic	7440-38-2	8.33	0.843	2.52	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.21	2.52	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.03	2.52	mg/kg	1
06947	Beryllium	7440-41-7	0.526 J	0.0541	0.629	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.108	0.629	mg/kg	1
06951	Chromium	7440-47-3	19.6	0.667	1.89	mg/kg	1
06953	Copper	7440-50-8	57.7	0.377	1.26	mg/kg	1
06955	Lead	7439-92-1	47.6	0.981	2.52	mg/kg	1
06961	Nickel	7440-02-0	10.4	0.415	1.26	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.239	0.629	mg/kg	1
06972	Zinc	7440-66-6	72.3	0.579	2.52	mg/kg	1
00111	Moisture	n.a.	21.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.68	mg/kg	1
05912	Phenols	n.a.	6.2	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0108	0.0527	mg/kg	50
01219	Heptachlor	76-44-8	N.D.	0.0108	0.0527	mg/kg	50
01220	Aldrin	309-00-2	N.D.	0.0108	0.0527	mg/kg	50
01221	p,p-DDT	50-29-3	0.0307 J	0.0210	0.108	mg/kg	50
01222	Dieldrin	60-57-1	N.D.	0.0210	0.108	mg/kg	50
01223	Endrin	72-20-8	N.D.	0.0210	0.108	mg/kg	50
01859	Methoxychlor	72-43-5	N.D.	0.108	0.527	mg/kg	50
01981	Alpha BHC	319-84-6	N.D.	0.0108	0.0527	mg/kg	50
01982	Beta BHC	319-85-7	N.D.	0.0108	0.0527	mg/kg	50
01983	Delta BHC	319-86-8	N.D.	0.0133	0.0527	mg/kg	50
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0108	0.0527	mg/kg	50
01985	p,p-DDE	72-55-9	N.D.	0.0210	0.108	mg/kg	50
01986	p,p-DDD	72-54-8	N.D.	0.0210	0.108	mg/kg	50
01987	Chlordane	57-74-9	N.D.	0.254	1.08	mg/kg	50
01988	Toxaphene	8001-35-2	N.D.	0.699	2.10	mg/kg	50
01989	Endosulfan I	959-98-8	N.D.	0.0108	0.0527	mg/kg	50
01990	Endosulfan II	33213-65-9	N.D.	0.0210	0.108	mg/kg	50
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0210	0.108	mg/kg	50
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0210	0.108	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR101981



Lancaster Laboratories Sample No. SW 4585808

05-MET-080 Grab Soil Sample  
N(8.5-9.0)  
Former Metro Container Investigation

Collected: 08/17/2005 10:40

by █

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:10  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05080

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.470	1.08	mg/kg	50
01994	PCB-1221	11104-28-2	N.D.	0.210	1.08	mg/kg	50
01995	PCB-1232	11141-16-5	N.D.	0.305	1.08	mg/kg	50
01996	PCB-1242	53469-21-9	N.D.	0.191	1.08	mg/kg	50
01997	PCB-1248	12672-29-6	N.D.	0.699	2.10	mg/kg	50
01998	PCB-1254	11097-69-1	N.D.	0.210	1.08	mg/kg	50
01999	PCB-1260	11096-82-5	N.D.	0.699	2.10	mg/kg	50

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	38.	190.	mg/kg	10
01185	Phenol	108-95-2	N.D.	13.	64.	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	13.	64.	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	13.	64.	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	13.	64.	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	13.	64.	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	25.	64.	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	13.	64.	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	64.	190.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	25.	64.	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	64.	190.	mg/kg	10
01195	Pyrene	129-00-0	57.	J 13.	64.	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	13.	64.	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	13.	64.	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	38.	64.	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	13.	64.	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	13.	64.	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	250.	760.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	64.	190.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	25.	64.	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	13.	64.	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	13.	64.	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	13.	64.	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	13.	64.	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	13.	64.	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	13.	64.	mg/kg	10
03759	Isophorone	78-59-1	N.D.	13.	64.	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101982

Lancaster Laboratories Sample No. SW 4585808

05-MET-080 Grab Soil Sample  
N(8.5-9.0)  
Former Metro Container Investigation

Collected: 08/17/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:10  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05080

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	13.	64.	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	13.	64.	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	25.	64.	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	64.	190.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	13.	64.	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	13.	64.	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	25.	64.	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	13.	64.	mg/kg	10
03768	Fluorene	86-73-7	N.D.	13.	64.	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	13.	64.	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	25.	64.	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	13.	64.	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	13.	64.	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	13.	64.	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	13.	64.	mg/kg	10
03775	Phenanthrene	85-01-8	25. J	13.	64.	mg/kg	10
03776	Anthracene	120-12-7	N.D.	13.	64.	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	25.	64.	mg/kg	10
03778	Fluoranthene	206-44-0	N.D.	13.	64.	mg/kg	10
03779	Benzidine	92-87-5	N.D.	250.	760.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	25.	64.	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	43. J	13.	64.	mg/kg	10
03782	Chrysene	218-01-9	47. J	13.	64.	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	38.	130.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	25.	130.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	25.	64.	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	36. J	13.	64.	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	13.	64.	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	68.	13.	64.	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	30. J	13.	64.	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	42. J	13.	64.	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	70.	13.	64.	mg/kg	10

Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR101983

Lancaster Laboratories Sample No. SW 4585808

05-MET-080 Grab Soil Sample  
N(8.5-9.0)  
Former Metro Container Investigation

Collected: 08/17/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:10  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05080

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	1.01
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.026	0.13	mg/kg	1.01
05444	Chloromethane	74-87-3	N.D.	0.003	0.006	mg/kg	1.01
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	1.01
05446	Bromomethane	74-83-9	N.D.	0.003	0.006	mg/kg	1.01
05447	Chloroethane	75-00-3	N.D.	0.003	0.006	mg/kg	1.01
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.006	mg/kg	1.01
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	1.01
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.006	mg/kg	1.01
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	1.01
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	1.01
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	1.01
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	1.01
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	1.01
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	1.01
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	1.01
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	1.01
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	1.01
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	1.01
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	1.01
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	1.01
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	1.01
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	1.01
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	1.01

\*=This limit was used in the evaluation of the final result

AR101984

Lancaster Laboratories Sample No. SW 4585808

05-MET-080 Grab Soil Sample  
N(8.5-9.0)  
Former Metro Container Investigation

Collected: 08/17/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:10  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05080

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	1.01
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	0.065	0.001	0.006	mg/kg	1.01
07586	Acrolein	107-02-8	N.D.	0.026	0.13	mg/kg	1.01
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.026	mg/kg	1.01

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:02	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/21/2005 17:50	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/21/2005 17:50	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/21/2005 17:50	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101985

Lancaster Laboratories Sample No. SW 4585808

05-MET-080 Grab Soil Sample  
N(8.5-9.0)  
Former Metro Container Investigation

Collected: 08/17/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:10  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05080							
06944	Antimony	SW-846 6010B	1	08/21/2005 17:50			1
06947	Beryllium	SW-846 6010B	1	08/21/2005 17:50			1
06949	Cadmium	SW-846 6010B	1	08/21/2005 17:50			1
06951	Chromium	SW-846 6010B	1	08/21/2005 17:50			1
06953	Copper	SW-846 6010B	1	08/21/2005 17:50			1
06955	Lead	SW-846 6010B	1	08/21/2005 17:50			1
06961	Nickel	SW-846 6010B	1	08/21/2005 17:50			1
06966	Silver	SW-846 6010B	1	08/21/2005 17:50			1
06972	Zinc	SW-846 6010B	1	08/21/2005 17:50			1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56			1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 12:54			1
05912	Phenols	SW846 9066	1	08/24/2005 10:24			1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 20:26			50
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 01:21			10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 03:07			1.01
07584	PPL Volatiles	SW-846 8260B	1	08/23/2005 03:07			1.01
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30			1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45			1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00			1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/22/2005 01:45			1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00			1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40			1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:22			1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:22			n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:22			n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

05080

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585808  
Sample wt/vol: 4.94 (g/mL) g Lab File ID: HP09193.i/05aug22b.b/xg22s41.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. 21 Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	12.47	1.2	J
2.	!Unknown aromatic	12.76	0.79	J
3.	!Unknown alicyclic	12.93	0.98	J
4.	!Unknown aromatic	13.03	0.61	J
5.	!Unknown aromatic	13.22	0.71	J
6.	!Unknown aromatic	13.47	0.84	J
7.	!Unknown aromatic	13.52	0.77	J
8.	!Unknown aromatic	13.62	0.67	J
9.	!Unknown	13.75	0.93	J
10.	!Unknown alkane	13.80	0.61	J
11.	!Unknown alkane	13.86	0.74	J
12.	!Unknown aromatic	14.14	1.1	J
13.	!Unknown alkane	14.40	0.62	J
14.	!Unknown aromatic	14.45	1.2	J
15.	!Unknown aromatic	14.80	0.63	J
16.				
17.				
18.				
19.				
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page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 05080  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) SOIL Lab Sample ID: 4585808  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh319.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 21 Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/24/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 18 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	16.798	66	J
2.	!Unknown	16.997	54	J
3.	!Unknown	21.111	60	J
4.	!1H-Cyclopropa[1]phenanthrene	21.614	65	JX
5.	!Unknown	21.866	60	J
6.	!Unknown Alkane	23.167	74	J
7.	!Unknown Alkane	23.611	59	J
8.	!Unknown	23.743	55	J
9.	!Pyrene, 1-methyl-	24.218	57	JX
10.	!Unknown	24.501	61	J
11.	!Unknown	24.884	53	J
12.	!Unknown	24.945	52	J
13.	!Unknown	25.096	68	J
14.	!Unknown	25.177	74	J
15.	!Unknown	25.459	80	J
16.	!Triphenylene, 2-methyl-	27.655	82	JX
17.	!Benz[a]anthracene, 7,12-dime	29.111	55	JX
18.	!Benzo[j]fluoranthene	32.242	110	JX
19.				
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29.				
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101988

Lancaster Laboratories Sample No. SW 4585809

05-MET-079 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/17/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:11  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05079

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.445	0.0037	0.139	mg/kg	1
06925	Thallium	7440-28-0	2.05 J	1.31	2.74	mg/kg	1
06935	Arsenic	7440-38-2	16.5	0.917	2.74	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.31	2.74	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.12	2.74	mg/kg	1
06947	Beryllium	7440-41-7	0.700	0.0589	0.685	mg/kg	1
06949	Cadmium	7440-43-9	5.96	0.118	0.685	mg/kg	1
06951	Chromium	7440-47-3	56.3	0.726	2.05	mg/kg	1
06953	Copper	7440-50-8	85.8	0.411	1.37	mg/kg	1
06955	Lead	7439-92-1	119.	1.07	2.74	mg/kg	1
06961	Nickel	7440-02-0	22.7	0.452	1.37	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.260	0.685	mg/kg	1
06972	Zinc	7440-66-6	322.	0.630	2.74	mg/kg	1
00111	Moisture	n.a.	29.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.36 J	0.26	0.73	mg/kg	1
05912	Phenols	n.a.	N.D.	1.7	4.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0240	0.117	mg/kg	100
01219	Heptachlor	76-44-8	N.D.	0.0240	0.117	mg/kg	100
01220	Aldrin	309-00-2	N.D.	0.0240	0.117	mg/kg	100
01221	p,p-DDT	50-29-3	N.D.	0.0465	0.240	mg/kg	100
01222	Dieldrin	60-57-1	N.D.	0.155	0.240	mg/kg	100
01223	Endrin	72-20-8	N.D.	0.0465	0.240	mg/kg	100
01859	Methoxychlor	72-43-5	N.D.	0.240	1.17	mg/kg	100
01981	Alpha BHC	319-84-6	N.D.	0.0240	0.117	mg/kg	100
01982	Beta BHC	319-85-7	N.D.	0.0240	0.117	mg/kg	100
01983	Delta BHC	319-86-8	N.D.	0.0296	0.117	mg/kg	100
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0240	0.117	mg/kg	100
01985	p,p-DDE	72-55-9	N.D.	0.209	0.240	mg/kg	100
01986	p,p-DDD	72-54-8	N.D.	0.626	0.626	mg/kg	100
01987	Chlordane	57-74-9	N.D.	0.564	2.40	mg/kg	100
01988	Toxaphene	8001-35-2	N.D.	1.55	4.65	mg/kg	100
01989	Endosulfan I	959-98-8	N.D.	0.0240	0.117	mg/kg	100
01990	Endosulfan II	33213-65-9	N.D.	0.0465	0.240	mg/kg	100
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0465	0.240	mg/kg	100
01992	Endrin Aldehyde	7421-93-4	N.D.	0.111	0.240	mg/kg	100

\*=This limit was used in the evaluation of the final result

AR101989



Lancaster Laboratories Sample No. SW 4585809

05-MET-079 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/17/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:11  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05079

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	1.04	2.40	mg/kg	100
01994	PCB-1221	11104-28-2	N.D.	0.465	2.40	mg/kg	100
01995	PCB-1232	11141-16-5	N.D.	0.677	2.40	mg/kg	100
01996	PCB-1242	53469-21-9	N.D.	0.423	2.40	mg/kg	100
01997	PCB-1248	12672-29-6	N.D.	1.55	4.65	mg/kg	100
01998	PCB-1254	11097-69-1	4.25	0.465	2.40	mg/kg	100
01999	PCB-1260	11096-82-5	7.08	1.55	4.65	mg/kg	100

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	4.2	21.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.4	7.1	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.4	7.1	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.4	7.1	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.4	7.1	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.4	7.1	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.8	7.1	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	1.4	7.1	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	7.1	21.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.8	7.1	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	7.1	21.	mg/kg	10
01195	Pyrene	129-00-0	1.6 J	1.4	7.1	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	1.4	7.1	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.4	7.1	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	4.2	7.1	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.4	7.1	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.4	7.1	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	28.	85.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	7.1	21.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.8	7.1	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.4	7.1	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.4	7.1	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.4	7.1	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.4	7.1	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101990

Lancaster Laboratories Sample No. SW 4585809

05-MET-079 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/17/2005 11:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:11  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05079

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	1.4	7.1	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.4	7.1	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.4	7.1	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.4	7.1	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	1.4	7.1	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.8	7.1	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	7.1	21.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.4	7.1	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.4	7.1	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.8	7.1	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.4	7.1	mg/kg	10
03768	Fluorene	86-73-7	N.D.	1.4	7.1	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.4	7.1	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.8	7.1	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.4	7.1	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.4	7.1	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.4	7.1	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.4	7.1	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	1.4	7.1	mg/kg	10
03776	Anthracene	120-12-7	N.D.	1.4	7.1	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	2.8	7.1	mg/kg	10
03778	Fluoranthene	206-44-0	N.D.	1.4	7.1	mg/kg	10
03779	Benzidine	92-87-5	N.D.	28.	85.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.8	7.1	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	1.5 J	1.4	7.1	mg/kg	10
03782	Chrysene	218-01-9	1.8 J	1.4	7.1	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.2	14.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	5.1 J	2.8	14.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.8	7.1	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	2.2 J	1.4	7.1	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	1.4	7.1	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	3.4 J	1.4	7.1	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	2.0 J	1.4	7.1	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	2.3 J	1.4	7.1	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	5.0 J	1.4	7.1	mg/kg	10

Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR101991

Lancaster Laboratories Sample No. SW 4585809

05-MET-079 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/17/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 09/06/2005 at 13:11

Discard: 10/07/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

05079

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.009	mg/kg	1.24
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0009	0.009	mg/kg	1.24
02020	t-Butyl alcohol	75-65-0	N.D.	0.035	0.17	mg/kg	1.24
05444	Chloromethane	74-87-3	N.D.	0.003	0.009	mg/kg	1.24
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.009	mg/kg	1.24
05446	Bromomethane	74-83-9	N.D.	0.003	0.009	mg/kg	1.24
05447	Chloroethane	75-00-3	N.D.	0.003	0.009	mg/kg	1.24
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.009	mg/kg	1.24
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.009	mg/kg	1.24
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.009	mg/kg	1.24
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.009	mg/kg	1.24
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.009	mg/kg	1.24
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.009	mg/kg	1.24
05455	Chloroform	67-66-3	N.D.	0.002	0.009	mg/kg	1.24
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.009	mg/kg	1.24
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.009	mg/kg	1.24
05460	Benzene	71-43-2	N.D.	0.0009	0.009	mg/kg	1.24
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.009	mg/kg	1.24
05462	Trichloroethene	79-01-6	N.D.	0.002	0.009	mg/kg	1.24
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.009	mg/kg	1.24
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.009	mg/kg	1.24
05466	Toluene	108-88-3	N.D.	0.002	0.009	mg/kg	1.24
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.009	mg/kg	1.24
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.009	mg/kg	1.24
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.009	mg/kg	1.24
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.009	mg/kg	1.24
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.009	mg/kg	1.24
05478	Bromoform	75-25-2	N.D.	0.002	0.009	mg/kg	1.24
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.009	mg/kg	1.24

\*=This limit was used in the evaluation of the final result

AR101992

Lancaster Laboratories Sample No. SW 4585809

05-MET-079 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/17/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:11  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05079

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.009	mg/kg	1.24
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.009	mg/kg	1.24
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.009	mg/kg	1.24
07586	Acrolein	107-02-8	N.D.	0.035	0.17	mg/kg	1.24
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.035	mg/kg	1.24

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample. Also, a surrogate recovery was outside of QC limits for the re-analysis.

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:03	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/21/2005 17:55	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/21/2005 17:55	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/21/2005 17:55	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/21/2005 17:55	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/21/2005 17:55	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/21/2005 17:55	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR101993

Lancaster Laboratories Sample No. SW 4585809

05-MET-079 Grab Soil Sample  
N(2-2.5)  
Former Metro Container Investigation

Collected: 08/17/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:11  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05079							
06951	Chromium	SW-846 6010B	1	08/21/2005 17:55			1
06953	Copper	SW-846 6010B	1	08/21/2005 17:55			1
06955	Lead	SW-846 6010B	1	08/21/2005 17:55			1
06961	Nickel	SW-846 6010B	1	08/21/2005 17:55			1
06966	Silver	SW-846 6010B	1	08/21/2005 17:55			1
06972	Zinc	SW-846 6010B	1	08/21/2005 17:55			1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56			1
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 12:55			1
05912	Phenols	SW846 9066	1	08/24/2005 10:25			1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 20:46			100
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 02:13			10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 15:51			1.24
07584	PPL Volatiles	SW-846 8260B	1	08/23/2005 15:51			1.24
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30			1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45			1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00			1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/22/2005 01:45			1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00			1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40			1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:24			1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:24			n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:24			n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

05079

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585809  
Sample wt/vol: 4.03 (g/mL) g Lab File ID: HP09193.i/05aug23a.b/xg23s03.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. 29 Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.94	0.77	J
2.	!Unknown	13.30	0.052	J
3.	!Unknown aromatic	13.74	0.041	J
4.	!Unknown	13.89	0.061	J
5.	!Unknown alkane	14.15	0.061	J
6.	!Unknown alicyclic	14.22	0.029	J
7.	!Unknown aromatic	14.26	0.035	J
8.	!Unknown	14.44	0.028	J
9.	!Unknown	14.49	0.049	J
10.	!Unknown hydrocarbon	14.59	0.047	J
11.	!Unknown	14.65	0.040	J
12.	!Unknown hydrocarbon	14.67	0.030	J
13.	!Unknown alicyclic	14.73	0.032	J
14.	!Unknown	14.79	0.034	J
15.	!Unknown	14.85	0.050	J
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR101995

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 05079  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) SOIL Lab Sample ID: 4585809  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh320.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 29 Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 2 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	8.156	72	JAB
2.	Unknown	39.537	9.5	J
3.				
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR101996

Lancaster Laboratories Sample No. SW 4585810

05-MET-108 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/17/2005 13:40

by █

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:12  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

051-8

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.155	0.0036	0.133	mg/kg	1
06925	Thallium	7440-28-0	4.15	1.25	2.60	mg/kg	1
06935	Arsenic	7440-38-2	22.3	0.871	2.60	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.25	2.60	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.07	2.60	mg/kg	1
06947	Beryllium	7440-41-7	0.233 J	0.0559	0.650	mg/kg	1
06949	Cadmium	7440-43-9	1.27	0.112	0.650	mg/kg	1
06951	Chromium	7440-47-3	60.0	0.689	1.95	mg/kg	1
06953	Copper	7440-50-8	114.	0.390	1.30	mg/kg	1
06955	Lead	7439-92-1	59.4	1.01	2.60	mg/kg	1
06961	Nickel	7440-02-0	74.4	0.429	1.30	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.247	0.650	mg/kg	1
06972	Zinc	7440-66-6	400.	0.598	2.60	mg/kg	1
00111	Moisture	n.a.	25.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.25	0.70	mg/kg	1
Matrix QC was performed on this sample for the cyanide analysis. Please see the attached QC Summary report for the parameter showing a matrix bias.							
05912	Phenols	n.a.	N.D.	1.6	4.7	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0137	0.0667	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.0137	0.0667	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.0137	0.0667	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0281	0.137	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.0265	0.137	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0265	0.137	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.137	0.667	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.0137	0.0667	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.0137	0.0667	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.0169	0.0667	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0137	0.0667	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0495	0.137	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.0265	0.137	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.321	1.37	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.884	2.65	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.0137	0.0667	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0265	0.137	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR101997



Lancaster Laboratories Sample No. SW 4585810

05-MET-108 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/17/2005 13:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:12  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

051-8

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0265	0.137	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0265	0.137	mg/kg	20
01993	PCB-1016	12674-11-2	N.D.	0.594	1.37	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.265	1.37	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.386	1.37	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.241	1.37	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.884	2.65	mg/kg	20
01998	PCB-1254	11097-69-1	0.496 J	0.265	1.37	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.884	2.65	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDT and 4,4'-DDE.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	4.0	20.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.3	6.7	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.3	6.7	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.3	6.7	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.3	6.7	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.3	6.7	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.7	6.7	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	1.3	6.7	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	6.7	20.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.7	6.7	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	6.7	20.	mg/kg	10
01195	Pyrene	129-00-0	6.8	1.3	6.7	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	1.3	6.7	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.3	6.7	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	4.0	6.7	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.3	6.7	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.3	6.7	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	27.	80.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	6.7	20.	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101998

Lancaster Laboratories Sample No. SW 4585810

05-MET-108 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/17/2005 13:40

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:12  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

051-8

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.7	6.7	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.3	6.7	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.3	6.7	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.3	6.7	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.3	6.7	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	1.3	6.7	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.3	6.7	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.3	6.7	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.3	6.7	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	1.3	6.7	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.7	6.7	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	6.7	20.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.3	6.7	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.3	6.7	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.7	6.7	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.3	6.7	mg/kg	10
03768	Fluorene	86-73-7	N.D.	1.3	6.7	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.3	6.7	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.7	6.7	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.3	6.7	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.3	6.7	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.3	6.7	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.3	6.7	mg/kg	10
03775	Phenanthrene	85-01-8	1.7 J	1.3	6.7	mg/kg	10
03776	Anthracene	120-12-7	N.D.	1.3	6.7	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	2.7	6.7	mg/kg	10
03778	Fluoranthene	206-44-0	N.D.	1.3	6.7	mg/kg	10
03779	Benzidine	92-87-5	N.D.	27.	80.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.7	6.7	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	5.0 J	1.3	6.7	mg/kg	10
03782	Chrysene	218-01-9	6.0 J	1.3	6.7	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.0	13.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.7	13.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.7	6.7	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	2.5 J	1.3	6.7	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	1.3	6.7	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	5.4 J	1.3	6.7	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.4 J	1.3	6.7	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR101999

Lancaster Laboratories Sample No. SW 4585810

05-MET-108 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/17/2005 13:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:12  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

051-8

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03790	Dibenz(a,h)anthracene	53-70-3	2.1 J	1.3	6.7	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	3.7 J	1.3	6.7	mg/kg	10
Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.							
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.005	0.027	mg/kg	4.1
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.003	0.027	mg/kg	4.1
02020	t-Butyl alcohol	75-65-0	N.D.	0.11	0.55	mg/kg	4.1
05444	Chloromethane	74-87-3	N.D.	0.011	0.027	mg/kg	4.1
05445	Vinyl Chloride	75-01-4	N.D.	0.005	0.027	mg/kg	4.1
05446	Bromomethane	74-83-9	N.D.	0.011	0.027	mg/kg	4.1
05447	Chloroethane	75-00-3	N.D.	0.011	0.027	mg/kg	4.1
05448	Trichlorofluoromethane	75-69-4	N.D.	0.011	0.027	mg/kg	4.1
05449	1,1-Dichloroethene	75-35-4	N.D.	0.005	0.027	mg/kg	4.1
05450	Methylene Chloride	75-09-2	N.D.	0.011	0.027	mg/kg	4.1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.005	0.027	mg/kg	4.1
05452	1,1-Dichloroethane	75-34-3	N.D.	0.005	0.027	mg/kg	4.1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.005	0.027	mg/kg	4.1
05455	Chloroform	67-66-3	N.D.	0.005	0.027	mg/kg	4.1
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.005	0.027	mg/kg	4.1
05458	Carbon Tetrachloride	56-23-5	N.D.	0.005	0.027	mg/kg	4.1
05460	Benzene	71-43-2	0.004 J	0.003	0.027	mg/kg	4.1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.005	0.027	mg/kg	4.1
05462	Trichloroethene	79-01-6	N.D.	0.005	0.027	mg/kg	4.1
05463	1,2-Dichloropropane	78-87-5	N.D.	0.005	0.027	mg/kg	4.1
05465	Bromodichloromethane	75-27-4	N.D.	0.005	0.027	mg/kg	4.1
05466	Toluene	108-88-3	0.011 J	0.005	0.027	mg/kg	4.1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.005	0.027	mg/kg	4.1
05468	Tetrachloroethene	127-18-4	N.D.	0.005	0.027	mg/kg	4.1
05470	Dibromochloromethane	124-48-1	N.D.	0.005	0.027	mg/kg	4.1
05472	Chlorobenzene	108-90-7	N.D.	0.005	0.027	mg/kg	4.1
05474	Ethylbenzene	100-41-4	N.D.	0.005	0.027	mg/kg	4.1

\*=This limit was used in the evaluation of the final result

AR102000

Lancaster Laboratories Sample No. SW 4585810

05-MET-108 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/17/2005 13:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:12  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

051-8

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05478	Bromoform	75-25-2	N.D.	0.005	0.027	mg/kg	4.1
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.005	0.027	mg/kg	4.1
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.005	0.027	mg/kg	4.1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.005	0.027	mg/kg	4.1
06301	Xylene (Total)	1330-20-7	0.031	0.005	0.027	mg/kg	4.1
07586	Acrolein	107-02-8	N.D.	0.11	0.55	mg/kg	4.1
07587	Acrylonitrile	107-13-1	N.D.	0.022	0.11	mg/kg	4.1

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:04	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/21/2005 17:59	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/21/2005 17:59	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/21/2005 17:59	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/21/2005 17:59	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/21/2005 17:59	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/21/2005 17:59	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/21/2005 17:59	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/21/2005 17:59	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/21/2005 17:59	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/21/2005 17:59	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4585810

05-MET-108 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/17/2005 13:40

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:12  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

051-8							
06966	Silver	SW-846 6010B	1	08/21/2005 17:59		1	
06972	Zinc	SW-846 6010B	1	08/21/2005 17:59		1	
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56		1	
05895	Total Cyanide	SW-846 9012A	1	08/22/2005 12:56		1	
05912	Phenols	SW846 9066	1	08/24/2005 10:26		1	
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 21:07		20	
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 03:06		10	
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 17:21		4.1	
07584	PPL Volatiles	SW-846 8260B	1	08/23/2005 17:21		4.1	
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30		1	
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45		1	
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00		1	
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/22/2005 01:45		1	
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/22/2005 10:00		1	
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40		1	
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:25		1	
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:25		n.a.	
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:25		n.a.	

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585810  
Sample wt/vol: 1.22 (g/mL) g Lab File ID: HP09193.i/05aug23a.b/xg23s08.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. 25 Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	0.77	J
2. 75-15-0	Carbon disulfide	3.85	45	J
3.	Unknown hydrocarbon	12.02	0.088	J
4.	Unknown alkane	12.47	0.26	J
5.	Unknown alicyclic	12.94	0.11	J
6.	Unknown alkane	13.32	0.24	J
7.	Unknown aromatic	13.46	0.095	J
8.	Unknown	13.74	0.10	J
9.	Unknown alicyclic	13.76	0.075	J
10.	Unknown alkane	13.86	0.071	J
11.	Unknown alkane	14.05	0.22	J
12.	Unknown alkane	14.15	0.17	J
13.	Unknown aromatic	14.45	0.099	J
14.	Unknown alkane	14.47	0.067	J
15.	Unknown alkane	14.70	0.11	J
16.				
17.				
18.				
19.				
20.				
21.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR102003

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4585810  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh321.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 25 Decanted: (Y/N)                      Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH:                      Extraction: Sonic  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	8.156	59	JAB
2.	Unknown Alkane	21.030	7.7	J
3.	Unknown Alkane	21.783	7.2	J
4.	Unknown	22.074	9.1	J
5.	Unknown Alkane	22.467	12	J
6.	Unknown Alkane	23.114	12	J
7.	Unknown Alkane	23.781	17	J
8.	Phenanthrene, 2,4,5,7-tetram	23.832	19	JX
9.	Unknown Alkane	24.044	9.2	J
10.	Pyrene, 1-methyl-	24.216	13	JX
11.	Pyrene, 1-methyl-	24.509	7.8	JX
12.	Unknown Alkane	24.540	18	J
13.	Unknown Alkane	24.833	13	J
14.	Unknown	25.177	9.9	J
15.	Unknown Alkane	25.419	26	J
16.	Benzo[b]naphtho[2,1-d]thioph	25.531	7.9	JX
17.	Unknown Alkane	26.450	18	J
18.	Unknown Alkane	27.682	26	J
19.	Unknown Alkane	29.175	27	J
20.	Unknown Alkane	30.987	13	J
21.	Benzo[k]fluoranthene	32.263	12	JX
22.	Unknown Alkane	33.217	23	J
23.	Unknown Alkane	35.928	25	J
24.	Unknown Alkane	39.279	20	J
25.	Unknown Alkane	43.380	16	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*This limit was used in the evaluation of the final result

AR102004

Lancaster Laboratories Sample No. SW 4585811

05-MET-025 Grab Soil Sample  
N(2.5-3)  
Former Metro Container Investigation

Collected: 08/17/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:13  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05025

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0771 J	0.0031	0.115	mg/kg	1
06925	Thallium	7440-28-0	2.02 J	1.14	2.38	mg/kg	1
06935	Arsenic	7440-38-2	6.22	0.797	2.38	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.14	2.38	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.976	2.38	mg/kg	1
06947	Beryllium	7440-41-7	0.418 J	0.0512	0.595	mg/kg	1
06949	Cadmium	7440-43-9	0.136 J	0.102	0.595	mg/kg	1
06951	Chromium	7440-47-3	29.8	0.631	1.78	mg/kg	1
06953	Copper	7440-50-8	27.6	0.357	1.19	mg/kg	1
06955	Lead	7439-92-1	43.3	0.928	2.38	mg/kg	1
06961	Nickel	7440-02-0	17.1	0.393	1.19	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.226	0.595	mg/kg	1
06972	Zinc	7440-66-6	80.7	0.547	2.38	mg/kg	1
00111	Moisture	n.a.	17.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0124	0.0604	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.0124	0.0604	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.0124	0.0604	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.0240	0.124	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.0498	0.124	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.0291	0.124	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.124	0.604	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.0124	0.0604	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.0124	0.0604	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.0153	0.0604	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0124	0.0604	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.0352	0.124	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.0240	0.124	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.291	1.24	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.801	2.40	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.0124	0.0604	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.0240	0.124	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0240	0.124	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0240	0.124	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102005



Lancaster Laboratories Sample No. SW 4585811

05-MET-025 Grab Soil Sample  
N(2.5-3)  
Former Metro Container Investigation

Collected: 08/17/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:13  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05025

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.539	1.24	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.240	1.24	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.350	1.24	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.218	1.24	mg/kg	20
01997	PCB-1248	12672-29-6	1.13 J	0.801	2.40	mg/kg	20
01998	PCB-1254	11097-69-1	0.989 J	0.240	1.24	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.801	2.40	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin and endrin.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	3.6	18.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.2	6.1	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.2	6.1	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.2	6.1	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.2	6.1	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.2	6.1	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.4	6.1	mg/kg	10
01191	Acenaphthene	83-32-9	1.3 J	1.2	6.1	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	6.1	18.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.4	6.1	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	6.1	18.	mg/kg	10
01195	Pyrene	129-00-0	3.3 J	1.2	6.1	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	7.1	1.2	6.1	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.2	6.1	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	3.6	6.1	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.2	6.1	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.2	6.1	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	24.	73.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	6.1	18.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.4	6.1	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.2	6.1	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102006

Lancaster Laboratories Sample No. SW 4585811

05-MET-025 Grab Soil Sample  
N(2.5-3)  
Former Metro Container Investigation

Collected: 08/17/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:13  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05025

			Dry		Dry		
CAT			Method		Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit*	Quantitation	Units	Factor
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.2	6.1	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.2	6.1	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.2	6.1	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	1.2	6.1	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.2	6.1	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.2	6.1	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.2	6.1	mg/kg	10
03761	Naphthalene	91-20-3	4.2 J	1.2	6.1	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.4	6.1	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	6.1	18.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.2	6.1	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.2	6.1	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.4	6.1	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.2	6.1	mg/kg	10
03768	Fluorene	86-73-7	1.6 J	1.2	6.1	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.2	6.1	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.4	6.1	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.2	6.1	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.2	6.1	mg/kg	10
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.2	6.1	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.2	6.1	mg/kg	10
03775	Phenanthrene	85-01-8	3.2 J	1.2	6.1	mg/kg	10
03776	Anthracene	120-12-7	N.D.	1.2	6.1	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	2.5 J	2.4	6.1	mg/kg	10
03778	Fluoranthene	206-44-0	2.1 J	1.2	6.1	mg/kg	10
03779	Benzidine	92-87-5	N.D.	24.	73.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.4	6.1	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	1.7 J	1.2	6.1	mg/kg	10
03782	Chrysene	218-01-9	2.1 J	1.2	6.1	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	3.6	12.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	9.6 J	2.4	12.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.4	6.1	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	2.7 J	1.2	6.1	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	1.2	6.1	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	3.2 J	1.2	6.1	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	2.0 J	1.2	6.1	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	2.5 J	1.2	6.1	mg/kg	10
03791	Benzo(q,h,i)perylene	191-24-2	5.1 J	1.2	6.1	mg/kg	10

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4585811

05-MET-025 Grab Soil Sample  
N(2.5-3)  
Former Metro Container Investigation

Collected: 08/17/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 09/06/2005 at 13:13

Discard: 10/07/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

05025

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.							
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.058	0.29	mg/kg	48.08
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.029	0.29	mg/kg	48.08
02020	t-Butyl alcohol	75-65-0	N.D.	1.2	5.8	mg/kg	48.08
05444	Chloromethane	74-87-3	N.D.	0.12	0.29	mg/kg	48.08
05445	Vinyl Chloride	75-01-4	N.D.	0.058	0.29	mg/kg	48.08
05446	Bromomethane	74-83-9	N.D.	0.12	0.29	mg/kg	48.08
05447	Chloroethane	75-00-3	N.D.	0.12	0.29	mg/kg	48.08
05448	Trichlorofluoromethane	75-69-4	N.D.	0.12	0.29	mg/kg	48.08
05449	1,1-Dichloroethene	75-35-4	N.D.	0.058	0.29	mg/kg	48.08
05450	Methylene Chloride	75-09-2	N.D.	0.12	0.29	mg/kg	48.08
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.058	0.29	mg/kg	48.08
05452	1,1-Dichloroethane	75-34-3	N.D.	0.058	0.29	mg/kg	48.08
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.058	0.29	mg/kg	48.08
05455	Chloroform	67-66-3	N.D.	0.058	0.29	mg/kg	48.08
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.058	0.29	mg/kg	48.08
05458	Carbon Tetrachloride	56-23-5	N.D.	0.058	0.29	mg/kg	48.08
05460	Benzene	71-43-2	N.D.	0.029	0.29	mg/kg	48.08
05461	1,2-Dichloroethane	107-06-2	N.D.	0.058	0.29	mg/kg	48.08
05462	Trichloroethene	79-01-6	N.D.	0.058	0.29	mg/kg	48.08
05463	1,2-Dichloropropane	78-87-5	N.D.	0.058	0.29	mg/kg	48.08
05465	Bromodichloromethane	75-27-4	N.D.	0.058	0.29	mg/kg	48.08
05466	Toluene	108-88-3	1.8	0.058	0.29	mg/kg	48.08
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.058	0.29	mg/kg	48.08
05468	Tetrachloroethene	127-18-4	N.D.	0.058	0.29	mg/kg	48.08
05470	Dibromochloromethane	124-48-1	N.D.	0.058	0.29	mg/kg	48.08
05472	Chlorobenzene	108-90-7	N.D.	0.058	0.29	mg/kg	48.08

\*=This limit was used in the evaluation of the final result

AR102008

Lancaster Laboratories Sample No. SW 4585811

05-MET-025 Grab Soil Sample  
N(2.5-3)  
Former Metro Container Investigation

Collected: 08/17/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:13  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05025

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05474	Ethylbenzene	100-41-4	0.86	0.058	0.29	mg/kg	48.08
05478	Bromoform	75-25-2	N.D.	0.058	0.29	mg/kg	48.08
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.058	0.29	mg/kg	48.08
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.058	0.29	mg/kg	48.08
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.058	0.29	mg/kg	48.08
06301	Xylene (Total)	1330-20-7	11.	0.058	0.29	mg/kg	48.08
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.12	0.58	mg/kg	48.08
07586	Acrolein	107-02-8	N.D.	1.2	5.8	mg/kg	48.08
07587	Acrylonitrile	107-13-1	N.D.	0.23	1.2	mg/kg	48.08

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:05	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/21/2005 18:04	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/21/2005 18:04	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102009

Lancaster Laboratories Sample No. SW 4585811

05-MET-025 Grab Soil Sample  
N(2.5-3)  
Former Metro Container Investigation

Collected: 08/17/2005 14:20

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:13  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05025							
06936	Selenium	SW-846 6010B	1	08/21/2005 18:04			1
06944	Antimony	SW-846 6010B	1	08/21/2005 18:04			1
06947	Beryllium	SW-846 6010B	1	08/21/2005 18:04			1
06949	Cadmium	SW-846 6010B	1	08/21/2005 18:04			1
06951	Chromium	SW-846 6010B	1	08/21/2005 18:04			1
06953	Copper	SW-846 6010B	1	08/21/2005 18:04			1
06955	Lead	SW-846 6010B	1	08/21/2005 18:04			1
06961	Nickel	SW-846 6010B	1	08/21/2005 18:04			1
06966	Silver	SW-846 6010B	1	08/21/2005 18:04			1
06972	Zinc	SW-846 6010B	1	08/21/2005 18:04			1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56			1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 19:44			1
05912	Phenols	SW846 9066	1	08/24/2005 10:30			1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 21:28			20
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 03:58			10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/22/2005 18:27			48.08
07584	PPL Volatiles	SW-846 8260B	1	08/22/2005 18:27			48.08
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30			1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45			1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00			1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55			1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30			1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40			1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:26			1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:26			n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:26			n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585811  
Sample wt/vol: 5.2 (g/mL) g Lab File ID: HP07566.i/05aug22a.b/rg22s18.d  
Level: (low/med) MED Date Received: 08/17/05  
% Moisture: not dec. 18 Date Analyzed: 08/22/05  
Column: (pack/cap) CAP Dilution Factor: 48.1  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	12.56	3.3	J
2.	!Unknown aromatic	12.73	2.4	J
3.	!Unknown aromatic	12.85	2.9	J
4.	!Unknown aromatic	12.98	2.7	J
5.	!Unknown aromatic	13.04	3.0	J
6.	!Unknown aromatic	13.16	2.6	J
7.	!Unknown alkane	13.41	2.6	J
8.	!Unknown aromatic	13.62	2.9	J
9.	!Unknown aromatic	13.72	4.8	J
10.	!Unknown aromatic	13.84	2.7	J
11.	!Unknown aromatic	13.93	2.6	J
12.	!Unknown aromatic	13.97	2.5	J
13.	!Unknown aromatic	14.24	3.5	J
14.	!Unknown aromatic	14.44	3.0	J
15.	!Unknown aromatic	14.54	3.9	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 05025  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) SOIL Lab Sample ID: 4585811  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh322.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 18 Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	8.187	290	JAB
2.	Unknown Alkane	9.867	9.8	J
3.	Benzene, 1,2,4-trimethyl-	11.024	11	JX
4.	Unknown Alkane	11.291	8.7	J
5.	1-Phenyl-1-butene	13.423	5.7	JX
6.	Unknown Alkane	13.811	6.9	J
7.	Unknown Alkane	14.726	15	J
8.91-57-6	Naphthalene, 2-methyl-	15.473	7.5	J
9.	Unknown Alkane	15.981	13	J
10.	Naphthalene, 1,5-dimethyl-	16.790	7.2	JX
11.	Unknown Alkane	16.930	15	J
12.	Unknown Cycloalkane	18.129	7.1	J
13.	Unknown Alkane	18.870	15	J
14.	Unknown Alkane	19.392	32	J
15.	Unknown Alkane	20.296	23	J
16.	Unknown Alkane	20.940	14	J
17.	Unknown	21.616	15	J
18.	Unknown Alkane	22.273	13	J
19.	Unknown Alkane	22.647	8.7	J
20.	Unknown Alkane	23.873	14	J
21.	Unknown Alkane	24.055	9.6	J
22.	Unknown Alkane	25.353	14	J
23.	Unknown Alkane	28.117	9.1	J
24.	Unknown	36.961	14	J
25.	Unknown	39.573	17	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR102012

Lancaster Laboratories Sample No. SW 4585812

05-MET-079S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/17/2005 11:10

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:14  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0579S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	2.12	0.0184	0.692	mg/kg	5
06925	Thallium	7440-28-0	3.78	1.31	2.73	mg/kg	1
06935	Arsenic	7440-38-2	14.2	0.914	2.73	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.31	2.73	mg/kg	1
06944	Antimony	7440-36-0	2.27 J	1.12	2.73	mg/kg	1
06947	Beryllium	7440-41-7	1.28	0.0586	0.682	mg/kg	1
06949	Cadmium	7440-43-9	52.5	0.117	0.682	mg/kg	1
06951	Chromium	7440-47-3	148.	0.723	2.05	mg/kg	1
06953	Copper	7440-50-8	189.	0.409	1.36	mg/kg	1
06955	Lead	7439-92-1	628.	1.06	2.73	mg/kg	1
06961	Nickel	7440-02-0	42.9	0.450	1.36	mg/kg	1
06966	Silver	7440-22-4	0.783	0.259	0.682	mg/kg	1
06972	Zinc	7440-66-6	576.	0.627	2.73	mg/kg	1
00111	Moisture	n.a.	28.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.99	0.25	0.70	mg/kg	1
05912	Phenols	n.a.	N.D.	1.7	4.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.239	1.17	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.239	1.17	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.239	1.17	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.463	2.39	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	1.41	2.39	mg/kg	1000
01223	Endrin	72-20-8	N.D.	1.10	2.39	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	2.39	11.7	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.239	1.17	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.239	1.17	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.295	1.17	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.239	1.17	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	0.896	2.39	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	0.463	2.39	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	5.62	23.9	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	15.4	46.3	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.239	1.17	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	0.463	2.39	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.463	2.39	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	1.42	2.39	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR102013



Lancaster Laboratories Sample No. SW 4585812

05-MET-079S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/17/2005 11:10

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:14  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0579S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	10.4	23.9	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	4.63	23.9	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	6.74	23.9	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	4.21	23.9	mg/kg	1000
01997	PCB-1248	12672-29-6	N.D.	15.4	46.3	mg/kg	1000
01998	PCB-1254	11097-69-1	28.7	4.63	23.9	mg/kg	1000
01999	PCB-1260	11096-82-5	84.5	15.4	46.3	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, endrin, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	4.2	21.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.4	7.0	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.4	7.0	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	2.0 J	1.4	7.0	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.4	7.0	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.4	7.0	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.8	7.0	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	1.4	7.0	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	7.0	21.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.8	7.0	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	7.0	21.	mg/kg	10
01195	Pyrene	129-00-0	2.2 J	1.4	7.0	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	1.4	7.0	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.4	7.0	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	4.2	7.0	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.4	7.0	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.4	7.0	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	28.	84.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	7.0	21.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.8	7.0	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.4	7.0	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.4	7.0	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.4	7.0	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.4	7.0	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102014

Lancaster Laboratories Sample No. SW 4585812

05-MET-079S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/17/2005 11:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:14  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0579S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	1.4	7.0	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.4	7.0	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.4	7.0	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.4	7.0	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	1.4	7.0	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.8	7.0	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	7.0	21.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.4	7.0	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.4	7.0	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.8	7.0	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.4	7.0	mg/kg	10
03768	Fluorene	86-73-7	N.D.	1.4	7.0	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.4	7.0	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.8	7.0	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.4	7.0	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.4	7.0	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.4	7.0	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.4	7.0	mg/kg	10
03775	Phenanthrene	85-01-8	1.5 J	1.4	7.0	mg/kg	10
03776	Anthracene	120-12-7	N.D.	1.4	7.0	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	2.8	7.0	mg/kg	10
03778	Fluoranthene	206-44-0	1.5 J	1.4	7.0	mg/kg	10
03779	Benzidine	92-87-5	N.D.	28.	84.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.8	7.0	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	N.D.	1.4	7.0	mg/kg	10
03782	Chrysene	218-01-9	N.D.	1.4	7.0	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.2	14.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	15.	2.8	14.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.8	7.0	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	N.D.	1.4	7.0	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	1.4	7.0	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	N.D.	1.4	7.0	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.4	7.0	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	1.4	7.0	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	1.4	7.0	mg/kg	10

Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR102015

Lancaster Laboratories Sample No. SW 4585812

05-MET-079S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/17/2005 11:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:14  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0579S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.06
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.06
02020	t-Butyl alcohol	75-65-0	0.039 J	0.030	0.15	mg/kg	1.06
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.06
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.06
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.06
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.06
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.06
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.06
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.06
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.06
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1.06
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1.06
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.06
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.06
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.06
05460	Benzene	71-43-2	0.009	0.0007	0.007	mg/kg	1.06
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.06
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.06
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.06
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.06
05466	Toluene	108-88-3	0.030	0.001	0.007	mg/kg	1.06
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.06
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.06
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.06
05472	Chlorobenzene	108-90-7	0.004 J	0.001	0.007	mg/kg	1.06
05474	Ethylbenzene	100-41-4	0.036	0.001	0.007	mg/kg	1.06
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.06
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.06

\*=This limit was used in the evaluation of the final result

AR102016

Lancaster Laboratories Sample No. SW 4585812

05-MET-079S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/17/2005 11:10

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:14  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0579S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.06
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.06
06301	Xylene (Total)	1330-20-7	0.29	0.001	0.007	mg/kg	1.06
07586	Acrolein	107-02-8	N.D.	0.030	0.15	mg/kg	1.06
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.030	mg/kg	1.06
2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:21	[REDACTED]	5
06925	Thallium	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/21/2005 18:18	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4585812

05-MET-079S Grab Soil Sample  
N(1.5-2)  
Former Metro Container Investigation

Collected: 08/17/2005 11:10

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:14  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0579S

00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 19:45	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/24/2005 10:34	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 21:48	[REDACTED]	1000
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 04:50	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 16:13	[REDACTED]	1.06
07584	PPL Volatiles	SW-846 8260B	1	08/23/2005 16:13	[REDACTED]	1.06
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:28	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:28	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:28	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585812  
Sample wt/vol: 4.7 (g/mL) g Lab File ID: HP09193.i/05aug23a.b/xg23s04.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. 29 Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	0.20	J
2.	Unknown	1.97	0.70	J
3.	Unknown alkane	12.47	0.081	J
4.	Unknown aromatic	12.76	0.054	J
5.	Unknown alkane	13.32	0.14	J
6.	Unknown aromatic	13.47	0.058	J
7.	Unknown aromatic	13.52	0.051	J
8.	Unknown	13.74	0.057	J
9.	Unknown aromatic	13.80	0.031	J
10.	Unknown aromatic	13.83	0.037	J
11.	Unknown	13.88	0.048	J
12.	Unknown alkane	14.05	0.075	J
13.	Unknown aromatic	14.12	0.045	J
14.	Unknown alkane	14.15	0.058	J
15.	Unknown alkane	14.69	0.035	J
16.				
17.				
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR102019

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 0579S  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) SOIL Lab Sample ID: 4585812  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh323.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 29 Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 19 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	8.158	75	JAB
2.	Benzene, 1-ethyl-3-methyl-	10.774	6.1	JX
3.	Unknown Alkane	19.364	6.0	J
4.	Unknown Alkane	23.111	6.1	J
5.	Unknown	23.870	7.4	J
6.	Unknown	24.448	5.9	J
7.	Unknown Alkane	24.823	9.9	J
8.	Unknown	24.924	6.9	J
9.	Unknown	25.076	6.0	J
10.	Unknown Alkane	25.745	5.8	J
11.	Unknown Alkane	26.838	10	J
12.	Unknown	27.050	7.0	J
13.	Unknown	27.676	5.6	J
14.	Unknown	27.827	6.9	J
15.	Unknown Alkane	28.120	7.9	J
16.	Unknown	30.707	6.0	J
17.	Unknown	39.561	16	J
18.	Unknown	40.419	6.5	J
19.	Unknown	43.182	8.0	J
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22.				
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR102020

Lancaster Laboratories Sample No. G5 4585813

TB081705S Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation

Collected: 08/17/2005

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:14  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB817

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	mg/kg	50
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	50
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.0	mg/kg	50
05444	Chloromethane	74-87-3	N.D.	0.10	0.25	mg/kg	50
05445	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	mg/kg	50
05446	Bromomethane	74-83-9	N.D.	0.10	0.25	mg/kg	50
05447	Chloroethane	75-00-3	N.D.	0.10	0.25	mg/kg	50
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	mg/kg	50
05449	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	mg/kg	50
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.25	mg/kg	50
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	mg/kg	50
05452	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	mg/kg	50
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	mg/kg	50
05455	Chloroform	67-66-3	N.D.	0.050	0.25	mg/kg	50
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	mg/kg	50
05458	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	mg/kg	50
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	mg/kg	50
05462	Trichloroethene	79-01-6	N.D.	0.050	0.25	mg/kg	50
05463	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	mg/kg	50
05465	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	mg/kg	50
05466	Toluene	108-88-3	N.D.	0.050	0.25	mg/kg	50
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	mg/kg	50
05468	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	mg/kg	50
05470	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	mg/kg	50
05472	Chlorobenzene	108-90-7	N.D.	0.050	0.25	mg/kg	50
05474	Ethylbenzene	100-41-4	N.D.	0.050	0.25	mg/kg	50
05478	Bromoform	75-25-2	N.D.	0.050	0.25	mg/kg	50
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	mg/kg	50
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	mg/kg	50
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	mg/kg	50
06301	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	mg/kg	50
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.50	mg/kg	50
07586	Acrolein	107-02-8	N.D.	1.0	5.0	mg/kg	50

\*This limit was used in the evaluation of the final result

AR102021



Lancaster Laboratories Sample No. G5 4585813

TB081705S Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation

Collected: 08/17/2005

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:14  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB817

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	50
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/22/2005 13:13		50
07584	PPL Volatiles	SW-846 8260B	1	08/22/2005 13:13		50
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:29		1

\* = This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585813  
Sample wt/vol: 5.0 (g/mL) g Lab File ID: HP07566.i/05aug22a.b/rg22s01.d  
Level: (low/med) MED Date Received: 08/17/05  
% Moisture: not dec. Date Analyzed: 08/22/05  
Column: (pack/cap) CAP Dilution Factor: 50.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

Lancaster Laboratories Sample No. SW 4585814

05-MET-059 Grab Soil Sample  
N(17-17.5)  
Former Metro Container Investigation

Collected: 08/17/2005 08:55

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:15  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05059

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0030	0.114	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.09	2.26	mg/kg	1
06935	Arsenic	7440-38-2	N.D.	0.759	2.26	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.09	2.26	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.928	2.26	mg/kg	1
06947	Beryllium	7440-41-7	0.670	0.0487	0.566	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0974	0.566	mg/kg	1
06951	Chromium	7440-47-3	23.1	0.600	1.70	mg/kg	1
06953	Copper	7440-50-8	5.04	0.340	1.13	mg/kg	1
06955	Lead	7439-92-1	2.55	0.883	2.26	mg/kg	1
06961	Nickel	7440-02-0	5.84	0.374	1.13	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.215	0.566	mg/kg	1
06972	Zinc	7440-66-6	11.6	0.521	2.26	mg/kg	1
00111	Moisture	n.a.	13.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.57	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.0	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00393	0.0192	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00393	0.0192	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00393	0.0192	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00762	0.0393	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00762	0.0393	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00762	0.0393	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0393	0.192	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00393	0.0192	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00393	0.0192	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00485	0.0192	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00393	0.0192	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00762	0.0393	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00762	0.0393	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0924	0.393	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.254	0.762	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00393	0.0192	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00762	0.0393	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00762	0.0393	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00762	0.0393	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102024

Lancaster Laboratories Sample No. SW 4585814

05-MET-059 Grab Soil Sample  
N(17-17.5)  
Former Metro Container Investigation

Collected: 08/17/2005 08:55

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:15  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05059

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.171	0.393	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0762	0.393	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.111	0.393	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0693	0.393	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.254	0.762	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0762	0.393	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.254	0.762	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	3.5	17.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.2	5.8	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.2	5.8	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.2	5.8	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.2	5.8	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.2	5.8	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.3	5.8	mg/kg	10
01191	Acenaphthene	83-32-9	2.0 J	1.2	5.8	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	5.8	17.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.3	5.8	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	5.8	17.	mg/kg	10
01195	Pyrene	129-00-0	8.9	1.2	5.8	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	5.4 J	1.2	5.8	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.2	5.8	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	3.5	5.8	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.2	5.8	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.2	5.8	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	23.	69.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.8	17.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.3	5.8	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.2	5.8	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.2	5.8	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.2	5.8	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.2	5.8	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	1.2	5.8	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.2	5.8	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.2	5.8	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102025

Lancaster Laboratories Sample No. SW 4585814

05-MET-059 Grab Soil Sample  
N(17-17.5)  
Former Metro Container Investigation

Collected: 08/17/2005 08:55

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:15  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05059

CAT					Dry	Dry	
No.	Analysis Name	CAS Number	Result		Method	Limit of	Dilution
					Detection	Quantitation	Factor
					Limit*		
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.		1.2	5.8	10
03761	Naphthalene	91-20-3	N.D.		1.2	5.8	10
03762	Hexachlorobutadiene	87-68-3	N.D.		2.3	5.8	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.		5.8	17.	10
03764	2-Chloronaphthalene	91-58-7	N.D.		1.2	5.8	10
03765	Acenaphthylene	208-96-8	N.D.		1.2	5.8	10
03766	Dimethylphthalate	131-11-3	N.D.		2.3	5.8	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.		1.2	5.8	10
03768	Fluorene	86-73-7	1.2	J	1.2	5.8	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.		1.2	5.8	10
03770	Diethylphthalate	84-66-2	N.D.		2.3	5.8	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.		1.2	5.8	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.		1.2	5.8	10
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
03773	4-Bromophenyl-phenylether	101-55-3	N.D.		1.2	5.8	10
03774	Hexachlorobenzene	118-74-1	N.D.		1.2	5.8	10
03775	Phenanthrene	85-01-8	8.2		1.2	5.8	10
03776	Anthracene	120-12-7	4.0	J	1.2	5.8	10
03777	Di-n-butylphthalate	84-74-2	N.D.		2.3	5.8	10
03778	Fluoranthene	206-44-0	1.4	J	1.2	5.8	10
03779	Benzidine	92-87-5	N.D.		23.	69.	10
03780	Butylbenzylphthalate	85-68-7	N.D.		2.3	5.8	10
03781	Benzo(a)anthracene	56-55-3	6.4		1.2	5.8	10
03782	Chrysene	218-01-9	8.7		1.2	5.8	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.		3.5	12.	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		2.3	12.	10
03785	Di-n-octylphthalate	117-84-0	N.D.		2.3	5.8	10
03786	Benzo(b)fluoranthene	205-99-2	1.2	J	1.2	5.8	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.		1.2	5.8	10
03788	Benzo(a)pyrene	50-32-8	3.0	J	1.2	5.8	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		1.2	5.8	10
03790	Dibenz(a,h)anthracene	53-70-3	1.2	J	1.2	5.8	10
03791	Benzo(g,h,i)perylene	191-24-2	1.4	J	1.2	5.8	10

Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR102026

Lancaster Laboratories Sample No. SW 4585814

05-MET-059 Grab Soil Sample  
N(17-17.5)  
Former Metro Container Investigation

Collected: 08/17/2005 08:55

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:15  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05059

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.043	0.22	mg/kg	37.31
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.022	0.22	mg/kg	37.31
02020	t-Butyl alcohol	75-65-0	N.D.	0.86	4.3	mg/kg	37.31
05444	Chloromethane	74-87-3	N.D.	0.086	0.22	mg/kg	37.31
05445	Vinyl Chloride	75-01-4	N.D.	0.043	0.22	mg/kg	37.31
05446	Bromomethane	74-83-9	N.D.	0.086	0.22	mg/kg	37.31
05447	Chloroethane	75-00-3	N.D.	0.086	0.22	mg/kg	37.31
05448	Trichlorofluoromethane	75-69-4	N.D.	0.086	0.22	mg/kg	37.31
05449	1,1-Dichloroethene	75-35-4	N.D.	0.043	0.22	mg/kg	37.31
05450	Methylene Chloride	75-09-2	N.D.	0.086	0.22	mg/kg	37.31
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.043	0.22	mg/kg	37.31
05452	1,1-Dichloroethane	75-34-3	N.D.	0.043	0.22	mg/kg	37.31
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.043	0.22	mg/kg	37.31
05455	Chloroform	67-66-3	N.D.	0.043	0.22	mg/kg	37.31
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.043	0.22	mg/kg	37.31
05458	Carbon Tetrachloride	56-23-5	N.D.	0.043	0.22	mg/kg	37.31
05460	Benzene	71-43-2	0.22	0.022	0.22	mg/kg	37.31
05461	1,2-Dichloroethane	107-06-2	N.D.	0.043	0.22	mg/kg	37.31
05462	Trichloroethene	79-01-6	N.D.	0.043	0.22	mg/kg	37.31
05463	1,2-Dichloropropane	78-87-5	N.D.	0.043	0.22	mg/kg	37.31
05465	Bromodichloromethane	75-27-4	N.D.	0.043	0.22	mg/kg	37.31
05466	Toluene	108-88-3	0.078 J	0.043	0.22	mg/kg	37.31
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.043	0.22	mg/kg	37.31
05468	Tetrachloroethene	127-18-4	N.D.	0.043	0.22	mg/kg	37.31
05470	Dibromochloromethane	124-48-1	N.D.	0.043	0.22	mg/kg	37.31
05472	Chlorobenzene	108-90-7	N.D.	0.043	0.22	mg/kg	37.31
05474	Ethylbenzene	100-41-4	0.097 J	0.043	0.22	mg/kg	37.31
05478	Bromoform	75-25-2	N.D.	0.043	0.22	mg/kg	37.31
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.043	0.22	mg/kg	37.31
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.043	0.22	mg/kg	37.31
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.043	0.22	mg/kg	37.31
06301	Xylene (Total)	1330-20-7	2.9	0.043	0.22	mg/kg	37.31

\*=This limit was used in the evaluation of the final result

AR102027

Lancaster Laboratories Sample No. SW 4585814

05-MET-059 Grab Soil Sample  
N(17-17.5)  
Former Metro Container Investigation

Collected: 08/17/2005 08:55

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:15  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05059

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.086	0.43	mg/kg	37.31
07586	Acrolein	107-02-8	N.D.	0.86	4.3	mg/kg	37.31
07587	Acrylonitrile	107-13-1	N.D.	0.17	0.86	mg/kg	37.31

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:11		1
06925	Thallium	SW-846 6010B	1	08/21/2005 18:23		1
06935	Arsenic	SW-846 6010B	1	08/21/2005 18:23		1
06936	Selenium	SW-846 6010B	1	08/21/2005 18:23		1
06944	Antimony	SW-846 6010B	1	08/21/2005 18:23		1
06947	Beryllium	SW-846 6010B	1	08/21/2005 18:23		1
06949	Cadmium	SW-846 6010B	1	08/21/2005 18:23		1
06951	Chromium	SW-846 6010B	1	08/21/2005 18:23		1
06953	Copper	SW-846 6010B	1	08/21/2005 18:23		1
06955	Lead	SW-846 6010B	1	08/21/2005 18:23		1
06961	Nickel	SW-846 6010B	1	08/21/2005 18:23		1
06966	Silver	SW-846 6010B	1	08/21/2005 18:23		1
06972	Zinc	SW-846 6010B	1	08/21/2005 18:23		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56		1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4585814

05-MET-059 Grab Soil Sample  
N(17-17.5)  
Former Metro Container Investigation

Collected: 08/17/2005 08:55

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:15  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05059							
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 19:46			1
05912	Phenols	SW846 9066	1	08/24/2005 10:35			1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 22:09			20
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 11:05			10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/22/2005 18:49			37.31
07584	PPL Volatiles	SW-846 8260B	1	08/22/2005 18:49			37.31
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30			1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45			1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00			1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55			1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30			1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40			1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:30			1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:30			n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:30			n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585814  
Sample wt/vol: 6.7 (g/mL) g Lab File ID: HP07566.i/05aug22a.b/rg22s19.d  
Level: (low/med) MED Date Received: 08/17/05  
% Moisture: not dec. 13 Date Analyzed: 08/22/05  
Column: (pack/cap) CAP Dilution Factor: 37.3  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aliphatic	12.02	5.0	J
2.	!Unknown aliphatic	12.19	4.8	J
3.	!Unknown aromatic	12.52	5.4	J
4.	!Unknown aromatic	12.56	6.1	J
5.	!Unknown aromatic	12.72	4.8	J
6.	!Unknown aromatic	12.85	9.1	J
7.	!Unknown alicyclic	13.02	6.7	J
8.	!Unknown aromatic	13.35	6.1	J
9.	!Unknown aromatic	13.62	5.6	J
10.	!Unknown aromatic	13.72	6.0	J
11.	!Unknown aromatic	13.84	4.7	J
12.	!Unknown aromatic	14.13	5.9	J
13.	!Unknown aromatic	14.24	12	J
14.	!Unknown aromatic	14.44	5.2	J
15.	!Unknown aromatic	14.54	9.4	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
! 05059 !

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585814  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh333.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 13 Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	!2-Pentanone, 4-hydroxy-4-met	6.743	54	JAB
2.	!Benzene, 1,3-diethyl-	10.588	17	JX
3.	!Unknown	11.996	12	J
4.	!Unknown Alkane	12.632	12	J
5.	!Unknown	13.119	16	J
6.	!Unknown Cycloalkane	14.394	16	J
7.	!Naphthalene, 1,8-dimethyl-	15.453	16	JX
8.	!Unknown	15.553	25	J
9.	!Unknown	16.663	28	JX
10.	!Unknown Alkane	17.094	14	J
11.	!Unknown Cycloalkane	17.154	13	J
12.	!Unknown Alkane	17.485	37	J
13.	!Unknown Cycloalkane	17.746	14	J
14.	!Unknown Alkane	18.409	13	J
15.	!Unknown Cycloalkane	18.730	17	J
16.	!Unknown Alkane	18.972	14	J
17.	!Unknown	19.868	26	J
18.	!Phenanthrene, 3-methyl-	20.332	13	JX
19.	!Phenanthrene, 2-methyl-	20.413	24	JX
20.	!Phenanthrene, 4,5-dimethyl-	20.999	25	JX
21.	!Unknown Cycloalkane	22.497	11	J
22.	!Unknown	22.852	29	J
23.	!Unknown	23.462	14	J
24.	!Unknown Alkane	24.437	12	J
25.	!Unknown Alkane	24.630	10	J
26.	_____	_____	_____	_____
27.	_____	_____	_____	_____
28.	_____	_____	_____	_____
29.	_____	_____	_____	_____
30.	_____	_____	_____	_____

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102031

Lancaster Laboratories Sample No. SW 4585815

05-MET-026 Grab Soil Sample  
N(3.5-4.0)  
Former Metro Container Investigation

Collected: 08/17/2005 09:40

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:15  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05026

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0032	0.121	mg/kg	1
06925	Thallium	7440-28-0	1.59 J	1.22	2.53	mg/kg	1
06935	Arsenic	7440-38-2	2.22 J	0.848	2.53	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.22	2.53	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.04	2.53	mg/kg	1
06947	Beryllium	7440-41-7	0.473 J	0.0544	0.633	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.109	0.633	mg/kg	1
06951	Chromium	7440-47-3	23.0	0.671	1.90	mg/kg	1
06953	Copper	7440-50-8	5.15	0.380	1.27	mg/kg	1
06955	Lead	7439-92-1	9.16	0.987	2.53	mg/kg	1
06961	Nickel	7440-02-0	8.06	0.418	1.27	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.241	0.633	mg/kg	1
06972	Zinc	7440-66-6	28.9	0.582	2.53	mg/kg	1
00111	Moisture	n.a.	21.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00430	0.0210	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00430	0.0210	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00430	0.0210	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00835	0.0430	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00835	0.0430	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00835	0.0430	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0430	0.210	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00430	0.0210	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00430	0.0210	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00532	0.0210	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00430	0.0210	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00835	0.0430	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00835	0.0430	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.101	0.430	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.278	0.835	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00430	0.0210	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00835	0.0430	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00835	0.0430	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00835	0.0430	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102032

Lancaster Laboratories Sample No. SW 4585815

05-MET-026 Grab Soil Sample  
N(3.5-4.0)  
Former Metro Container Investigation

Collected: 08/17/2005 09:40

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:15  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05026

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.187	0.430	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0835	0.430	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.122	0.430	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0759	0.430	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.278	0.835	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0835	0.430	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.278	0.835	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	3.8	19.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.3	6.3	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.3	6.3	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.3	6.3	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.3	6.3	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.3	6.3	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.5	6.3	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	1.3	6.3	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	6.3	19.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.5	6.3	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	6.3	19.	mg/kg	10
01195	Pyrene	129-00-0	5.4 J	1.3	6.3	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	1.3	6.3	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.3	6.3	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	3.8	6.3	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.3	6.3	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.3	6.3	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	25.	76.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	6.3	19.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.5	6.3	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.3	6.3	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.3	6.3	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.3	6.3	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.3	6.3	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	1.3	6.3	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.3	6.3	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.3	6.3	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102033

Lancaster Laboratories Sample No. SW 4585815

05-MET-026 Grab Soil Sample  
N(3.5-4.0)  
Former Metro Container Investigation

Collected: 08/17/2005 09:40

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:15  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05026

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.3	6.3	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	1.3	6.3	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.5	6.3	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	6.3	19.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.3	6.3	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.3	6.3	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.5	6.3	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.3	6.3	mg/kg	10
03768	Fluorene	86-73-7	N.D.	1.3	6.3	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.3	6.3	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.5	6.3	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.3	6.3	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.3	6.3	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.3	6.3	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.3	6.3	mg/kg	10
03775	Phenanthrene	85-01-8	N.D.	1.3	6.3	mg/kg	10
03776	Anthracene	120-12-7	N.D.	1.3	6.3	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	2.5	6.3	mg/kg	10
03778	Fluoranthene	206-44-0	N.D.	1.3	6.3	mg/kg	10
03779	Benzidine	92-87-5	N.D.	25.	76.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.5	6.3	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	2.7 J	1.3	6.3	mg/kg	10
03782	Chrysene	218-01-9	4.2 J	1.3	6.3	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	3.8	13.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.5	13.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.5	6.3	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	N.D.	1.3	6.3	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	1.3	6.3	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	3.0 J	1.3	6.3	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.3 J	1.3	6.3	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	1.5 J	1.3	6.3	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	2.8 J	1.3	6.3	mg/kg	10

Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR102034

Lancaster Laboratories Sample No. SW 4585815

05-MET-026 Grab Soil Sample  
N(3.5-4.0)  
Former Metro Container Investigation

Collected: 08/17/2005 09:40

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:15  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05026

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.96
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.96
02020	t-Butyl alcohol	75-65-0	N.D.	0.024	0.12	mg/kg	0.96
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.96
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.96
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.96
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.96
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.96
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.96
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.96
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.96
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.96
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.96
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.96
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.96
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.96
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.96
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.96
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.96
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.96
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.96
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.96
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.96
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.96
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.96
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.96
05474	Ethylbenzene	100-41-4	0.003 J	0.001	0.006	mg/kg	0.96
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.96
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.96
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.96
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.96
06301	Xylene (Total)	1330-20-7	0.004 J	0.001	0.006	mg/kg	0.96
07586	Acrolein	107-02-8	N.D.	0.024	0.12	mg/kg	0.96
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.024	mg/kg	0.96

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported

\*=This limit was used in the evaluation of the final result

AR102035



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 5 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4585815

05-MET-026 Grab Soil Sample  
N(3.5-4.0)  
Former Metro Container Investigation

Collected: 08/17/2005 09:40

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:15  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05026

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:12		1
06925	Thallium	SW-846 6010B	1	08/21/2005 18:28		1
06935	Arsenic	SW-846 6010B	1	08/21/2005 18:28		1
06936	Selenium	SW-846 6010B	1	08/21/2005 18:28		1
06944	Antimony	SW-846 6010B	1	08/21/2005 18:28		1
06947	Beryllium	SW-846 6010B	1	08/21/2005 18:28		1
06949	Cadmium	SW-846 6010B	1	08/21/2005 18:28		1
06951	Chromium	SW-846 6010B	1	08/21/2005 18:28		1
06953	Copper	SW-846 6010B	1	08/21/2005 18:28		1
06955	Lead	SW-846 6010B	1	08/21/2005 18:28		1
06961	Nickel	SW-846 6010B	1	08/21/2005 18:28		1
06966	Silver	SW-846 6010B	1	08/21/2005 18:28		1
06972	Zinc	SW-846 6010B	1	08/21/2005 18:28		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 19:52		1
05912	Phenols	SW846 9066	1	08/24/2005 10:36		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 22:29		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 11:49		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 03:30		0.96

\*=This limit was used in the evaluation of the final result

AR102036

Lancaster Laboratories Sample No. SW 4585815

05-MET-026 Grab Soil Sample

N(3.5-4.0)

Former Metro Container Investigation

Collected: 08/17/2005 09:40

Account Number: 11549

Submitted: 08/17/2005 17:42

Montgomery Watson Harza

Reported: 09/06/2005 at 13:15

P.O. Box 7009

Discard: 10/07/2005

Pasadena CA 91109-7009

05026

07584	PPL Volatiles	SW-846 8260B	1	08/23/2005 03:30		0.96
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:31		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:31		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:31		n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

05026

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585815  
Sample wt/vol: 5.19 (g/mL) g Lab File ID: HP09193.i/05aug22b.b/xg22s42.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. 21 Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.90	2.2	J
2.	Unknown alkane	11.82	0.67	J
3.	Unknown alicyclic	11.92	0.76	J
4.	Unknown alkane	12.10	0.74	J
5.	Unknown alkane	12.12	0.56	J
6.	Unknown alkane	12.20	0.58	J
7.	Unknown alicyclic	12.46	1.1	J
8.	Unknown alkane	12.69	0.60	J
9.	Unknown alicyclic	12.78	0.55	J
10.	Unknown alicyclic	12.93	1.1	J
11.	Unknown alkane	13.10	0.51	J
12.	Unknown alkane	13.32	0.69	J
13.	Unknown alkane	13.46	0.58	J
14.	Unknown alkane	13.74	0.64	J
15.	Unknown alkane	14.15	0.54	J
16.				
17.				
18.				
19.				
20.				
21.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR102038

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
! \_\_\_\_\_!  
! 05026  
! \_\_\_\_\_!

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL      Lab Sample ID: 4585815  
Sample wt/vol: 10 (g/mL) g      Lab File ID: bh334.d  
Level: (low/med) LOW      Date Received: 08/17/05  
% Moisture: 21      Decanted: (Y/N)      Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL)      Date Analyzed: 08/24/05  
Injection Volume: 1 (uL)      Dilution Factor: 10  
GPC Cleanup: N      pH:      Extraction: Sonic

CONCENTRATION UNITS:

Number TICs found: 23      (mg/L or mg/Kg)      mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.734	67	JAB
2.	Unknown Alkane	17.488	8.2	J
3.	Unknown Alkane	18.977	8.5	J
4.	Unknown Alkane	19.669	7.3	J
5.	Unknown	19.860	6.8	J
6.	Anthracene, 2-methyl-	20.322	8.9	JX
7.	Unknown Alkane	20.614	6.1	J
8.	Phenanthrene, 3,6-dimethyl-	21.007	8.5	JX
9.	Phenanthrene, 2,7-dimethyl-	21.098	6.0	JX
10.	Phenanthrene, 2,3-dimethyl-	21.199	7.9	JX
11.	Unknown Alkane	21.290	8.5	J
12.	Unknown Alkane	21.714	9.3	J
13.	Unknown	22.261	8.2	J
14.	Unknown	22.352	6.8	J
15.	Unknown Cycloalkane	22.494	5.3	J
16.	Unknown	22.534	6.8	J
17.	Pyrene, 4-methyl-	22.666	9.1	JX
18.	Unknown	22.717	10	J
19.	Pyrene, 4-methyl-	22.838	6.8	JX
20.	Unknown	22.919	5.9	J
21.	Unknown	24.441	5.1	J
22.	Chrysene, 1-methyl-	25.049	7.6	JX
23.	Unknown	25.433	6.1	J
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*This limit was used in the evaluation of the final result

AR102039

Lancaster Laboratories Sample No. SW 4585816

05-MET-068 Grab Soil Sample  
N(15-15.5)  
Former Metro Container Investigation

Collected: 08/17/2005 13:50

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:16  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05-68

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0029	0.110	mg/kg	1
06925	Thallium	7440-28-0	2.43	1.09	2.26	mg/kg	1
06935	Arsenic	7440-38-2	3.43	0.759	2.26	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.09	2.26	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.928	2.26	mg/kg	1
06947	Beryllium	7440-41-7	0.835	0.0487	0.566	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0974	0.566	mg/kg	1
06951	Chromium	7440-47-3	48.5	0.600	1.70	mg/kg	1
06953	Copper	7440-50-8	15.3	0.340	1.13	mg/kg	1
06955	Lead	7439-92-1	5.77	0.883	2.26	mg/kg	1
06961	Nickel	7440-02-0	22.1	0.374	1.13	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.215	0.566	mg/kg	1
06972	Zinc	7440-66-6	25.0	0.521	2.26	mg/kg	1
00111	Moisture	n.a.	13.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.57	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000196	0.000958	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000196	0.000958	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000196	0.000958	mg/kg	1
01221	p,p-DDT	50-29-3	0.000766 J	0.000381	0.00196	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000381	0.00196	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000381	0.00196	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00196	0.00958	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000196	0.000958	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000196	0.000958	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000242	0.000958	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000196	0.000958	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000381	0.00196	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000381	0.00196	mg/kg	1
01987	Chlordane	57-74-9	0.0134 J	0.00462	0.0196	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0127	0.0381	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000196	0.000958	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000381	0.00196	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000381	0.00196	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000381	0.00196	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102040

Lancaster Laboratories Sample No. SW 4585816

05-MET-068 Grab Soil Sample  
N(15-15.5)  
Former Metro Container Investigation

Collected: 08/17/2005 13:50

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:16  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05-68

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00855	0.0196	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00381	0.0196	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00554	0.0196	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00346	0.0196	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0127	0.0381	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00381	0.0196	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0127	0.0381	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.35	1.7	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.12	0.58	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.12	0.58	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.12	0.58	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.12	0.58	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.12	0.58	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.23	0.58	mg/kg	1
01191	Acenaphthene	83-32-9	0.34 J	0.12	0.58	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.58	1.7	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.23	0.58	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.58	1.7	mg/kg	1
01195	Pyrene	129-00-0	1.8	0.12	0.58	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.12	0.58	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.12	0.58	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.35	0.58	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.12	0.58	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.12	0.58	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	2.3	6.9	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.58	1.7	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.23	0.58	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.12	0.58	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.12	0.58	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.12	0.58	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.12	0.58	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.12	0.58	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.12	0.58	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.12	0.58	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.12	0.58	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.12	0.58	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.23	0.58	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.58	1.7	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102041

Lancaster Laboratories Sample No. SW 4585816

05-MET-068 Grab Soil Sample  
N(15-15.5)  
Former Metro Container Investigation

Collected: 08/17/2005 13:50

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:16  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05-68

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.12	0.58	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.12	0.58	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.23	0.58	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.12	0.58	mg/kg	1
03768	Fluorene	86-73-7	0.19 J	0.12	0.58	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.12	0.58	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.23	0.58	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.12	0.58	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.12	0.58	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.12	0.58	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.12	0.58	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.12	0.58	mg/kg	1
03776	Anthracene	120-12-7	0.65	0.12	0.58	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.23	0.58	mg/kg	1
03778	Fluoranthene	206-44-0	0.30 J	0.12	0.58	mg/kg	1
03779	Benzidine	92-87-5	N.D.	2.3	6.9	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.23	0.58	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.3	0.12	0.58	mg/kg	1
03782	Chrysene	218-01-9	1.7	0.12	0.58	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.35	1.2	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.23	1.2	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.23	0.58	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.29 J	0.12	0.58	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.12	0.58	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.64	0.12	0.58	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.12	0.58	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.15 J	0.12	0.58	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.23 J	0.12	0.58	mg/kg	1
Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.039	0.20	mg/kg	34.15
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.020	0.20	mg/kg	34.15

\*=This limit was used in the evaluation of the final result

AR102042

Lancaster Laboratories Sample No. SW 4585816

05-MET-068 Grab Soil Sample  
N(15-15.5)  
Former Metro Container Investigation

Collected: 08/17/2005 13:50

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:16  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05-68

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.79	3.9	mg/kg	34.15
05444	Chloromethane	74-87-3	N.D.	0.079	0.20	mg/kg	34.15
05445	Vinyl Chloride	75-01-4	N.D.	0.039	0.20	mg/kg	34.15
05446	Bromomethane	74-83-9	N.D.	0.079	0.20	mg/kg	34.15
05447	Chloroethane	75-00-3	N.D.	0.079	0.20	mg/kg	34.15
05448	Trichlorofluoromethane	75-69-4	N.D.	0.079	0.20	mg/kg	34.15
05449	1,1-Dichloroethene	75-35-4	N.D.	0.039	0.20	mg/kg	34.15
05450	Methylene Chloride	75-09-2	N.D.	0.079	0.20	mg/kg	34.15
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.039	0.20	mg/kg	34.15
05452	1,1-Dichloroethane	75-34-3	N.D.	0.039	0.20	mg/kg	34.15
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.039	0.20	mg/kg	34.15
05455	Chloroform	67-66-3	N.D.	0.039	0.20	mg/kg	34.15
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.039	0.20	mg/kg	34.15
05458	Carbon Tetrachloride	56-23-5	N.D.	0.039	0.20	mg/kg	34.15
05460	Benzene	71-43-2	N.D.	0.020	0.20	mg/kg	34.15
05461	1,2-Dichloroethane	107-06-2	N.D.	0.039	0.20	mg/kg	34.15
05462	Trichloroethene	79-01-6	N.D.	0.039	0.20	mg/kg	34.15
05463	1,2-Dichloropropane	78-87-5	N.D.	0.039	0.20	mg/kg	34.15
05465	Bromodichloromethane	75-27-4	N.D.	0.039	0.20	mg/kg	34.15
05466	Toluene	108-88-3	N.D.	0.039	0.20	mg/kg	34.15
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.039	0.20	mg/kg	34.15
05468	Tetrachloroethene	127-18-4	N.D.	0.039	0.20	mg/kg	34.15
05470	Dibromochloromethane	124-48-1	N.D.	0.039	0.20	mg/kg	34.15
05472	Chlorobenzene	108-90-7	N.D.	0.039	0.20	mg/kg	34.15
05474	Ethylbenzene	100-41-4	0.040 J	0.039	0.20	mg/kg	34.15
05478	Bromoform	75-25-2	N.D.	0.039	0.20	mg/kg	34.15
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.039	0.20	mg/kg	34.15
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.039	0.20	mg/kg	34.15
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.039	0.20	mg/kg	34.15
06301	Xylene (Total)	1330-20-7	N.D.	0.039	0.20	mg/kg	34.15
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.079	0.39	mg/kg	34.15
07586	Acrolein	107-02-8	N.D.	0.79	3.9	mg/kg	34.15
07587	Acrylonitrile	107-13-1	N.D.	0.16	0.79	mg/kg	34.15

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102043

Lancaster Laboratories Sample No. SW 4585816

05-MET-068 Grab Soil Sample  
N(15-15.5)  
Former Metro Container Investigation

Collected: 08/17/2005 13:50

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:16  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05-68

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:14		1
06925	Thallium	SW-846 6010B	1	08/21/2005 18:32		1
06935	Arsenic	SW-846 6010B	1	08/21/2005 18:32		1
06936	Selenium	SW-846 6010B	1	08/21/2005 18:32		1
06944	Antimony	SW-846 6010B	1	08/21/2005 18:32		1
06947	Beryllium	SW-846 6010B	1	08/21/2005 18:32		1
06949	Cadmium	SW-846 6010B	1	08/21/2005 18:32		1
06951	Chromium	SW-846 6010B	1	08/21/2005 18:32		1
06953	Copper	SW-846 6010B	1	08/21/2005 18:32		1
06955	Lead	SW-846 6010B	1	08/21/2005 18:32		1
06961	Nickel	SW-846 6010B	1	08/21/2005 18:32		1
06966	Silver	SW-846 6010B	1	08/21/2005 18:32		1
06972	Zinc	SW-846 6010B	1	08/21/2005 18:32		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 19:53		1
05912	Phenols	SW846 9066	1	08/24/2005 10:38		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 22:50		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 12:33		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/24/2005 13:42		34.15
07584	PPL Volatiles	SW-846 8260B	1	08/24/2005 13:42		34.15
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55		1

\*=This limit was used in the evaluation of the final result

AR102044

**Lancaster Laboratories Sample No. SW 4585816**

**05-MET-068 Grab Soil Sample  
N(15-15.5)  
Former Metro Container Investigation**

Collected: 08/17/2005 13:50

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:16  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05-68						
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:33		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:33		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:33		n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585816  
Sample wt/vol: 7.32 (g/mL) g Lab File ID: HP07536.i/05aug24a.b/qg24s13.d  
Level: (low/med) MED Date Received: 08/17/05  
% Moisture: not dec. 13 Date Analyzed: 08/24/05  
Column: (pack/cap) CAP Dilution Factor: 34.2  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	12.10	.80	J
2.	!Unknown	12.27	.59	J
3.	!Unknown aliphatic	12.63	.71	J
4.	!Unknown alicyclic	13.10	1.1	J
5.	!Unknown	13.49	.62	J
6.	!Unknown alicyclic	13.93	1.3	J
7.	!Unknown	14.21	.54	J
8.	!Unknown	14.31	.54	J
9.	!Unknown aromatic	14.38	.65	J
10.	!Unknown aromatic	14.61	.61	J
11.	!Unknown aromatic	14.72	.58	J
12.	!Unknown aromatic	14.87	.59	J
13.	!Unknown	15.25	.68	J
14.	!Unknown	15.38	.54	J
15.	!Unknown aromatic	15.54	.56	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR102046

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4585816  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh335.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 13 Decanted: (Y/N)                      Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.803	41	JAB
2.	Unknown Cycloalkane	13.118	2.0	J
3.	Unknown Alkane	15.565	2.6	J
4.	Unknown	16.537	2.2	J
5.	Unknown Cycloalkane	16.697	2.5	J
6.	Unknown Alkane	17.490	5.6	J
7.	Unknown Alkane	18.044	2.7	J
8.	Unknown Cycloalkane	18.326	2.5	J
9.	4,4'-Dimethylbiphenyl	18.507	2.7	JX
10.	Unknown	18.729	2.5	J
11.	Unknown Alkane	18.991	2.7	J
12.	Unknown Alkane	19.667	2.2	J
13.	Unknown	19.869	3.3	J
14.	1H-Cyclopropa[1]phenanthrene	20.333	2.3	JX
15.	Anthracene, 1-methyl-	20.414	2.5	JX
16.	Phenanthrene, 4,5-dimethyl-	21.011	3.8	JX
17.	Phenanthrene, 2,3-dimethyl-	21.214	2.1	JX
18.	Unknown	21.295	2.5	J
19.	Unknown	22.005	2.0	J
20.	Unknown	22.269	2.6	J
21.	Pyrene, 2-methyl-	22.482	1.8	JX
22.	Pyrene, 1-methyl-	22.858	2.6	JX
23.	Unknown	23.469	2.7	J
24.	Unknown Alkane	23.703	2.0	J
25.	Benz[a]anthracene, 1-methyl-	25.192	1.7	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*This limit was used in the evaluation of the final result

AR102047

Lancaster Laboratories Sample No. SW 4585817

05-MET-069 Grab Soil Sample  
N(15-15.5)  
Former Metro Container Investigation

Collected: 08/17/2005 14:45

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:17  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05-69

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0331 J	0.0031	0.117	mg/kg	1
06925	Thallium	7440-28-0	1.39 J	1.12	2.34	mg/kg	1
06935	Arsenic	7440-38-2	2.68	0.785	2.34	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.12	2.34	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.961	2.34	mg/kg	1
06947	Beryllium	7440-41-7	0.649	0.0504	0.586	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.101	0.586	mg/kg	1
06951	Chromium	7440-47-3	27.1	0.621	1.76	mg/kg	1
06953	Copper	7440-50-8	11.2	0.352	1.17	mg/kg	1
06955	Lead	7439-92-1	14.2	0.914	2.34	mg/kg	1
06961	Nickel	7440-02-0	16.5	0.387	1.17	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.223	0.586	mg/kg	1
06972	Zinc	7440-66-6	49.5	0.539	2.34	mg/kg	1
00111	Moisture	n.a.	15.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.58	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00201	0.00982	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00201	0.00982	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00201	0.00982	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00391	0.0201	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00391	0.0201	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00391	0.0201	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0201	0.0982	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00201	0.00982	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00201	0.00982	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00249	0.00982	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00201	0.00982	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00391	0.0201	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00391	0.0201	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0473	0.201	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.130	0.391	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00201	0.00982	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00391	0.0201	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00391	0.0201	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00391	0.0201	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102048

Lancaster Laboratories Sample No. SW 4585817

05-MET-069 Grab Soil Sample  
N(15-15.5)  
Former Metro Container Investigation

Collected: 08/17/2005 14:45

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:17  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05-69

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0876	0.201	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0391	0.201	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0568	0.201	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0355	0.201	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.130	0.391	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0391	0.201	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.130	0.391	mg/kg	10

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.36	1.8	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.12	0.59	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.12	0.59	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.12	0.59	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.12	0.59	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.12	0.59	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.24	0.59	mg/kg	1
01191	Acenaphthene	83-32-9	0.73	0.12	0.59	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.59	1.8	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.24	0.59	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.59	1.8	mg/kg	1
01195	Pyrene	129-00-0	3.8	0.12	0.59	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.25 J	0.12	0.59	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.12	0.59	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.36	0.59	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.12	0.59	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.12	0.59	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	2.4	7.1	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.59	1.8	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.24	0.59	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.12	0.59	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.12	0.59	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.12	0.59	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.12	0.59	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.12	0.59	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.12	0.59	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.12	0.59	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.12	0.59	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.12	0.59	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102049

Lancaster Laboratories Sample No. SW 4585817

05-MET-069 Grab Soil Sample  
N(15-15.5)  
Former Metro Container Investigation

Collected: 08/17/2005 14:45

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:17  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05-69

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.24	0.59	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.59	1.8	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.12	0.59	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.12	0.59	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.24	0.59	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.12	0.59	mg/kg	1
03768	Fluorene	86-73-7	0.31 J	0.12	0.59	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.12	0.59	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.24	0.59	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.12	0.59	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.12	0.59	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.12	0.59	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.12	0.59	mg/kg	1
03775	Phenanthrene	85-01-8	1.7	0.12	0.59	mg/kg	1
03776	Anthracene	120-12-7	1.4	0.12	0.59	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.24	0.59	mg/kg	1
03778	Fluoranthene	206-44-0	0.56 J	0.12	0.59	mg/kg	1
03779	Benzidine	92-87-5	N.D.	2.4	7.1	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.24	0.59	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	2.6	0.12	0.59	mg/kg	1
03782	Chrysene	218-01-9	3.5	0.12	0.59	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.36	1.2	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.24	1.2	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.24	0.59	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.58 J	0.12	0.59	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.14 J	0.12	0.59	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.3	0.12	0.59	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.30 J	0.12	0.59	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.36 J	0.12	0.59	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.51 J	0.12	0.59	mg/kg	1
Due to insufficient sample, the reporting limits for the GC/MS semivolatiles compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.042	0.21	mg/kg	35.56
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR102050

Lancaster Laboratories Sample No. SW 4585817

05-MET-069 Grab Soil Sample  
N(15-15.5)  
Former Metro Container Investigation

Collected: 08/17/2005 14:45

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:17  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05-69

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.021	0.21	mg/kg	35.56
02020	t-Butyl alcohol	75-65-0	N.D.	0.84	4.2	mg/kg	35.56
05444	Chloromethane	74-87-3	N.D.	0.084	0.21	mg/kg	35.56
05445	Vinyl Chloride	75-01-4	N.D.	0.042	0.21	mg/kg	35.56
05446	Bromomethane	74-83-9	N.D.	0.084	0.21	mg/kg	35.56
05447	Chloroethane	75-00-3	N.D.	0.084	0.21	mg/kg	35.56
05448	Trichlorofluoromethane	75-69-4	N.D.	0.084	0.21	mg/kg	35.56
05449	1,1-Dichloroethene	75-35-4	N.D.	0.042	0.21	mg/kg	35.56
05450	Methylene Chloride	75-09-2	N.D.	0.084	0.21	mg/kg	35.56
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.042	0.21	mg/kg	35.56
05452	1,1-Dichloroethane	75-34-3	N.D.	0.042	0.21	mg/kg	35.56
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.042	0.21	mg/kg	35.56
05455	Chloroform	67-66-3	N.D.	0.042	0.21	mg/kg	35.56
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.042	0.21	mg/kg	35.56
05458	Carbon Tetrachloride	56-23-5	N.D.	0.042	0.21	mg/kg	35.56
05460	Benzene	71-43-2	N.D.	0.021	0.21	mg/kg	35.56
05461	1,2-Dichloroethane	107-06-2	N.D.	0.042	0.21	mg/kg	35.56
05462	Trichloroethene	79-01-6	N.D.	0.042	0.21	mg/kg	35.56
05463	1,2-Dichloropropane	78-87-5	N.D.	0.042	0.21	mg/kg	35.56
05465	Bromodichloromethane	75-27-4	N.D.	0.042	0.21	mg/kg	35.56
05466	Toluene	108-88-3	N.D.	0.042	0.21	mg/kg	35.56
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.042	0.21	mg/kg	35.56
05468	Tetrachloroethene	127-18-4	N.D.	0.042	0.21	mg/kg	35.56
05470	Dibromochloromethane	124-48-1	N.D.	0.042	0.21	mg/kg	35.56
05472	Chlorobenzene	108-90-7	N.D.	0.042	0.21	mg/kg	35.56
05474	Ethylbenzene	100-41-4	0.12 J	0.042	0.21	mg/kg	35.56
05478	Bromoform	75-25-2	N.D.	0.042	0.21	mg/kg	35.56
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.042	0.21	mg/kg	35.56
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.042	0.21	mg/kg	35.56
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.042	0.21	mg/kg	35.56
06301	Xylene (Total)	1330-20-7	N.D.	0.042	0.21	mg/kg	35.56
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.084	0.42	mg/kg	35.56
07586	Acrolein	107-02-8	N.D.	0.84	4.2	mg/kg	35.56
07587	Acrylonitrile	107-13-1	N.D.	0.17	0.84	mg/kg	35.56

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR102051

Lancaster Laboratories Sample No. SW 4585817

05-MET-069 Grab Soil Sample  
N(15-15.5)  
Former Metro Container Investigation

Collected: 08/17/2005 14:45

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:17  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

05-69

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:15		1
06925	Thallium	SW-846 6010B	1	08/21/2005 18:37		1
06935	Arsenic	SW-846 6010B	1	08/21/2005 18:37		1
06936	Selenium	SW-846 6010B	1	08/21/2005 18:37		1
06944	Antimony	SW-846 6010B	1	08/21/2005 18:37		1
06947	Beryllium	SW-846 6010B	1	08/21/2005 18:37		1
06949	Cadmium	SW-846 6010B	1	08/21/2005 18:37		1
06951	Chromium	SW-846 6010B	1	08/21/2005 18:37		1
06953	Copper	SW-846 6010B	1	08/21/2005 18:37		1
06955	Lead	SW-846 6010B	1	08/21/2005 18:37		1
06961	Nickel	SW-846 6010B	1	08/21/2005 18:37		1
06966	Silver	SW-846 6010B	1	08/21/2005 18:37		1
06972	Zinc	SW-846 6010B	1	08/21/2005 18:37		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 19:54		1
05912	Phenols	SW846 9066	1	08/24/2005 10:39		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 23:10		10
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 10:00		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/24/2005 14:05		35.56
07584	PPL Volatiles	SW-846 8260B	1	08/24/2005 14:05		35.56
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00		1

\*=This limit was used in the evaluation of the final result

AR102052

**Lancaster Laboratories Sample No. SW 4585817****05-MET-069 Grab Soil Sample****N(15-15.5)****Former Metro Container Investigation**

Collected: 08/17/2005 14:45

Account Number: 11549

Submitted: 08/17/2005 17:42

Montgomery Watson Harza

Reported: 09/06/2005 at 13:17

P.O. Box 7009

Discard: 10/07/2005

Pasadena CA 91109-7009

05-69

05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:34		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:34		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:34		n.a.



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585817  
Sample wt/vol: 7.03 (g/mL) g Lab File ID: HP07536.i/05aug24a.b/qg24s14.d  
Level: (low/med) MED Date Received: 08/17/05  
% Moisture: not dec. 16 Date Analyzed: 08/24/05  
Column: (pack/cap) CAP Dilution Factor: 35.6  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	12.63	.95	J
2.	!Unknown alicyclic	13.10	.96	J
3.	!Unknown alkane	13.48	1.1	J
4.	!Unknown aromatic	13.79	1.0	J
5.	!Unknown alicyclic	13.93	1.2	J
6.	!Unknown	14.21	1.3	J
7.	!Unknown aromatic	14.31	1.5	J
8.	!Unknown aromatic	14.52	1.1	J
9.	!Unknown aromatic	14.62	2.0	J
10.	!Unknown	14.82	1.3	J
11.	!Unknown aromatic	14.88	1.2	J
12.	!Unknown	14.97	1.1	J
13.	!Unknown aromatic	15.11	.94	J
14.	!Unknown aromatic	15.25	1.2	J
15.	!Unknown aromatic	15.37	.91	J
16.				
17.				
18.				
19.				
20.				
21.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR102054

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585817  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh342.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 16 Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc

CONCENTRATION UNITS:

Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	6.021	32	JAB
2.	Unknown	8.161	13	J
3.	Unknown Alkane	10.416	16	J
4.	Unknown Alkane	12.669	2.1	J
5.	Unknown Alkane	13.029	5.2	J
6.	Unknown Alkane	14.201	15	J
7.	Unknown Alkane	15.294	11	J
8.	Unknown Cycloalkane	15.957	5.4	J
9.	Unknown Alkane	16.329	14	J
10.	Unknown Alkane	16.781	7.2	J
11.	Unknown Alkane	17.315	26	J
12.	Unknown Alkane	18.243	22	J
13.	Unknown Alkane	19.101	24	J
14.	Unknown Alkane	19.394	10	J
15.	Unknown Alkane	19.869	21	J
16.	Unknown Alkane	20.588	17	J
17.	Unknown Alkane	21.248	22	J
18.	Unknown Alkane	21.878	22	J
19.	Unknown Alkane	22.091	18	J
20.	Unknown Alkane	22.468	22	J
21.	Unknown Alkane	23.018	17	J
22.	Unknown Alkane	23.609	21	J
23.	Unknown Alkane	23.814	25	J
24.	Unknown Alkane	24.273	21	J
25.	Unknown Alkane	24.528	18	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR102055

Lancaster Laboratories Sample No. SW 4585818

05-MET-026S Grab Soil Sample  
N(1.5-2.0)  
Former Metro Container Investigation

Collected: 08/17/2005 09:55

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:18  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0526S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.224	0.0033	0.125	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.23	2.56	mg/kg	1
06935	Arsenic	7440-38-2	27.2	0.857	2.56	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.23	2.56	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.05	2.56	mg/kg	1
06947	Beryllium	7440-41-7	0.324 J	0.0550	0.640	mg/kg	1
06949	Cadmium	7440-43-9	0.216 J	0.110	0.640	mg/kg	1
06951	Chromium	7440-47-3	10.2	0.678	1.92	mg/kg	1
06953	Copper	7440-50-8	53.0	0.384	1.28	mg/kg	1
06955	Lead	7439-92-1	87.1	0.998	2.56	mg/kg	1
06961	Nickel	7440-02-0	11.5	0.422	1.28	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.243	0.640	mg/kg	1
06972	Zinc	7440-66-6	51.4	0.588	2.56	mg/kg	1
00111	Moisture	n.a.	24.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.66	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0672	0.328	mg/kg	100
01219	Heptachlor	76-44-8	N.D.	0.0672	0.328	mg/kg	100
01220	Aldrin	309-00-2	N.D.	0.0672	0.328	mg/kg	100
01221	p,p-DDT	50-29-3	N.D.	0.130	0.672	mg/kg	100
01222	Dieldrin	60-57-1	N.D.	0.130	0.672	mg/kg	100
01223	Endrin	72-20-8	N.D.	0.130	0.672	mg/kg	100
01859	Methoxychlor	72-43-5	N.D.	0.672	3.28	mg/kg	100
01981	Alpha BHC	319-84-6	N.D.	0.0672	0.328	mg/kg	100
01982	Beta BHC	319-85-7	N.D.	0.0672	0.328	mg/kg	100
01983	Delta BHC	319-86-8	N.D.	0.0830	0.328	mg/kg	100
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0672	0.328	mg/kg	100
01985	p,p-DDE	72-55-9	N.D.	0.130	0.672	mg/kg	100
01986	p,p-DDD	72-54-8	N.D.	0.130	0.672	mg/kg	100
01987	Chlordane	57-74-9	N.D.	1.58	6.72	mg/kg	100
01988	Toxaphene	8001-35-2	N.D.	4.35	13.0	mg/kg	100
01989	Endosulfan I	959-98-8	N.D.	0.0672	0.328	mg/kg	100
01990	Endosulfan II	33213-65-9	N.D.	0.130	0.672	mg/kg	100
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.130	0.672	mg/kg	100
01992	Endrin Aldehyde	7421-93-4	N.D.	0.130	0.672	mg/kg	100

\*=This limit was used in the evaluation of the final result

AR102056

Lancaster Laboratories Sample No. SW 4585818

05-MET-026S Grab Soil Sample  
N(1.5-2.0)  
Former Metro Container Investigation

Collected: 08/17/2005 09:55

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:18  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0526S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	2.92	6.72	mg/kg	100
01994	PCB-1221	11104-28-2	N.D.	1.30	6.72	mg/kg	100
01995	PCB-1232	11141-16-5	N.D.	1.90	6.72	mg/kg	100
01996	PCB-1242	53469-21-9	N.D.	1.19	6.72	mg/kg	100
01997	PCB-1248	12672-29-6	N.D.	4.35	13.0	mg/kg	100
01998	PCB-1254	11097-69-1	N.D.	1.30	6.72	mg/kg	100
01999	PCB-1260	11096-82-5	N.D.	4.35	13.0	mg/kg	100

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	4.0	20.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.3	6.6	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.3	6.6	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.3	6.6	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.3	6.6	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.3	6.6	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.6	6.6	mg/kg	10
01191	Acenaphthene	83-32-9	9.2	1.3	6.6	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	6.6	20.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.6	6.6	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	6.6	20.	mg/kg	10
01195	Pyrene	129-00-0	60.	1.3	6.6	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	28.	1.3	6.6	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.3	6.6	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	4.0	6.6	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.3	6.6	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.3	6.6	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	26.	79.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	6.6	20.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.6	6.6	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.3	6.6	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.3	6.6	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.3	6.6	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.3	6.6	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	1.3	6.6	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102057

Lancaster Laboratories Sample No. SW 4585818

05-MET-026S Grab Soil Sample  
N(1.5-2.0)  
Former Metro Container Investigation

Collected: 08/17/2005 09:55

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:18  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0526S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	1.3	6.6	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.3	6.6	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.3	6.6	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	1.3	6.6	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.6	6.6	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	6.6	20.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.3	6.6	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.3	6.6	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.6	6.6	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.3	6.6	mg/kg	10
03768	Fluorene	86-73-7	16.	1.3	6.6	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.3	6.6	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.6	6.6	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.3	6.6	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.3	6.6	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.3	6.6	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	1.3	6.6	mg/kg	10
03775	Phenanthrene	85-01-8	57.	1.3	6.6	mg/kg	10
03776	Anthracene	120-12-7	7.7	1.3	6.6	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	2.6	6.6	mg/kg	10
03778	Fluoranthene	206-44-0	8.1	1.3	6.6	mg/kg	10
03779	Benzidine	92-87-5	N.D.	26.	79.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.6	6.6	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	42.	1.3	6.6	mg/kg	10
03782	Chrysene	218-01-9	86.	1.3	6.6	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.0	13.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.6	13.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.6	6.6	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	31.	1.3	6.6	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	5.9 J	1.3	6.6	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	62.	1.3	6.6	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	20.	1.3	6.6	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	27.	1.3	6.6	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	46.	1.3	6.6	mg/kg	10

Due to insufficient sample, the reporting limits for the GC/MS semivolatiles compounds were raised.

Due to the sample matrix an initial dilution was necessary to perform the

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4585818

05-MET-026S Grab Soil Sample  
N(1.5-2.0)  
Former Metro Container Investigation

Collected: 08/17/2005 09:55

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:18  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0526S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.						
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.17
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.17
02020	t-Butyl alcohol	75-65-0	N.D.	0.031	0.15	mg/kg	1.17
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.17
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.17
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.17
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.17
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.17
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.17
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.008	mg/kg	1.17
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.17
05452	1,1-Dichloroethane	75-34-3	0.009	0.002	0.008	mg/kg	1.17
05454	cis-1,2-Dichloroethene	156-59-2	0.005 J	0.002	0.008	mg/kg	1.17
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.17
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.17
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.17
05460	Benzene	71-43-2	0.006 J	0.0008	0.008	mg/kg	1.17
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.17
05462	Trichloroethene	79-01-6	0.005 J	0.002	0.008	mg/kg	1.17
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.17
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.17
05466	Toluene	108-88-3	0.008	0.002	0.008	mg/kg	1.17
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.17
05468	Tetrachloroethene	127-18-4	0.002 J	0.002	0.008	mg/kg	1.17
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.17
05472	Chlorobenzene	108-90-7	0.002 J	0.002	0.008	mg/kg	1.17
05474	Ethylbenzene	100-41-4	0.031	0.002	0.008	mg/kg	1.17
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.17
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.17
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.17
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.17
06301	Xylene (Total)	1330-20-7	0.26	0.002	0.008	mg/kg	1.17
07586	Acrolein	107-02-8	N.D.	0.031	0.15	mg/kg	1.17

\*=This limit was used in the evaluation of the final result

AR102059

Lancaster Laboratories Sample No. SW 4585818

05-MET-026S Grab Soil Sample

N(1.5-2.0)

Former Metro Container Investigation

Collected: 08/17/2005 09:55

Account Number: 11549

Submitted: 08/17/2005 17:42

Montgomery Watson Harza

Reported: 09/06/2005 at 13:18

P.O. Box 7009

Discard: 10/07/2005

Pasadena CA 91109-7009

0526S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.031	mg/kg	1.17

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:16		1
06925	Thallium	SW-846 6010B	1	08/21/2005 18:42		1
06935	Arsenic	SW-846 6010B	1	08/21/2005 18:42		1
06936	Selenium	SW-846 6010B	1	08/21/2005 18:42		1
06944	Antimony	SW-846 6010B	1	08/21/2005 18:42		1
06947	Beryllium	SW-846 6010B	1	08/21/2005 18:42		1
06949	Cadmium	SW-846 6010B	1	08/21/2005 18:42		1
06951	Chromium	SW-846 6010B	1	08/21/2005 18:42		1
06953	Copper	SW-846 6010B	1	08/21/2005 18:42		1
06955	Lead	SW-846 6010B	1	08/21/2005 18:42		1
06961	Nickel	SW-846 6010B	1	08/21/2005 18:42		1
06966	Silver	SW-846 6010B	1	08/21/2005 18:42		1
06972	Zinc	SW-846 6010B	1	08/21/2005 18:42		1

\*=This limit was used in the evaluation of the final result

AR102060

Lancaster Laboratories Sample No. SW 4585818

05-MET-026S Grab Soil Sample  
N(1.5-2.0)  
Former Metro Container Investigation

Collected: 08/17/2005 09:55

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:18  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0526S						
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 19:56		1
05912	Phenols	SW846 9066	1	08/24/2005 10:40		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 23:31		100
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 10:40		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 01:57		1.17
07584	PPL Volatiles	SW-846 8260B	1	08/23/2005 01:57		1.17
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:35		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:35		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/18/2005 09:35		n.a.

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585818  
Sample wt/vol: 4.29 (g/mL) g Lab File ID: HP09193.i/05aug22b.b/xg22s38.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. 24 Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	12.47	0.25	J
2.	!Unknown	13.22	0.32	J
3.	!Unknown aromatic	13.46	0.24	J
4.	!Unknown aromatic	13.52	0.27	J
5.	!Unknown aromatic	13.88	0.30	J
6.	!Unknown aromatic	14.14	0.52	J
7.	!Unknown aromatic	14.35	0.25	J
8.	!Unknown aromatic	14.38	0.26	J
9.	!Unknown aromatic	14.45	0.49	J
10.	!Unknown	14.66	0.23	J
11.	!Unknown	14.72	0.27	J
12.	!Unknown aromatic	14.80	0.31	J
13.	!Unknown aromatic	14.92	0.36	J
14.	!Unknown aromatic	15.07	0.34	J
15. 90-12-0	!Naphthalene, 1-methyl-	15.49	0.33	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR102062

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
! 0526S !

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585818  
Sample wt/vol: 10 (g/mL) g Lab File ID: bh343.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 24 Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
Injection Volume: 1 (uL) Dilution Factor: 10  
GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Naphthalene, 1,5-dimethyl-	14.530	55	JX
2.	Naphthalene, 1,3-dimethyl-	14.690	69	JX
3.	Naphthalene, 1,6-dimethyl-	14.740	43	JX
4.	Naphthalene, 1,3-dimethyl-	14.921	34	JX
5.	Naphthalene, 2-(1-methylethy-	15.602	45	JX
6.	Naphthalene, 1,4,6-trimethyl-	15.803	62	JX
7.	Naphthalene, 1,6,7-trimethyl-	15.893	43	JX
8.	Naphthalene, 1,4,6-trimethyl-	16.044	35	JX
9.	Unknown	16.647	44	J
10.	Unknown Alkane	17.321	49	J
11.	4,4'-Dimethylbiphenyl	17.714	77	JX
12.	2,2'-Dimethylbiphenyl	17.966	58	JX
13.	Unknown Alkane	18.278	57	J
14.	Anthracene, 1-methyl-	19.429	62	JX
15.	Anthracene, 1-methyl-	19.490	67	JX
16.	1H-Cyclopropa[1]phenanthrene	19.641	75	JX
17.	Phenanthrene, 3,6-dimethyl-	20.330	55	JX
18.	Phenanthrene, 2,3-dimethyl-	20.471	92	JX
19.	Phenanthrene, 3,6-dimethyl-	20.522	72	JX
20.	Pyrene, 2-methyl-	22.095	18	JX
21.	Chrysene, 3-methyl-	24.040	31	JX
22.	Benzo[c]phenanthrene, 5,8-di	24.847	22	JX
23.	Perylene	26.460	100	JX
24.	Benz[j]aceanthrylene, 3-meth	27.704	61	JX
25.	Perylene, 3-methyl-	27.806	53	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102063

Lancaster Laboratories Sample No. SW 4585819

05-MET-059V Grab Soil Sample  
N(22.5-23)  
Former Metro Container Investigation

Collected: 08/17/2005 09:00

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:18  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0559V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0032	0.120	mg/kg	1
06925	Thallium	7440-28-0	5.58	1.20	2.49	mg/kg	1
06935	Arsenic	7440-38-2	N.D.	0.834	2.49	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.20	2.49	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.02	2.49	mg/kg	1
06947	Beryllium	7440-41-7	2.05	0.0536	0.623	mg/kg	1
06949	Cadmium	7440-43-9	0.111 J	0.107	0.623	mg/kg	1
06951	Chromium	7440-47-3	486.	0.660	1.87	mg/kg	1
06953	Copper	7440-50-8	6.23	0.374	1.25	mg/kg	1
06955	Lead	7439-92-1	8.58	0.971	2.49	mg/kg	1
06961	Nickel	7440-02-0	164.	0.411	1.25	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.237	0.623	mg/kg	1
06972	Zinc	7440-66-6	72.9	0.573	2.49	mg/kg	1
00111	Moisture	n.a.	20.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.63	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000214	0.00104	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000214	0.00104	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000214	0.00104	mg/kg	1
01221	p,p-DDT	50-29-3	0.000779 J	0.000415	0.00214	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000415	0.00214	mg/kg	1
01223	Endrin	72-20-8	0.00137 J	0.000415	0.00214	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00214	0.0104	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000214	0.00104	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000214	0.00104	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000264	0.00104	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000214	0.00104	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000415	0.00214	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000415	0.00214	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00503	0.0214	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0138	0.0415	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000214	0.00104	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000415	0.00214	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000415	0.00214	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000415	0.00214	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102064

Lancaster Laboratories Sample No. SW 4585819

05-MET-059V Grab Soil Sample  
N(22.5-23)  
Former Metro Container Investigation

Collected: 08/17/2005 09:00

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:18  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0559V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00931	0.0214	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00415	0.0214	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00604	0.0214	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00377	0.0214	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0138	0.0415	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00415	0.0214	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0138	0.0415	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.63	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.042	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.042	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.042	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.042	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.042	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.084	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.042	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.63	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.084	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.63	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.042	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.042	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.042	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.042	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.042	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.84	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.63	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.084	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.042	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.042	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.042	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.042	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.042	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.042	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.042	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.042	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.042	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.084	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.63	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102065

Lancaster Laboratories Sample No. SW 4585819

05-MET-059V Grab Soil Sample  
N(22.5-23)  
Former Metro Container Investigation

Collected: 08/17/2005 09:00

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:18  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0559V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.042	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.042	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.084	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.042	0.21	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.042	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.042	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.084	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.042	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.042	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.042	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.042	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.042	0.21	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.042	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.084	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.042	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.84	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.084	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.042	0.21	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.042	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.42	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.084	0.42	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.084	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.042	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.042	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.042	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.042	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.042	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.042	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.93
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.93
02020	t-Butyl alcohol	75-65-0	N.D.	0.023	0.12	mg/kg	0.93
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.93

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4585819

05-MET-059V Grab Soil Sample  
N(22.5-23)  
Former Metro Container Investigation

Collected: 08/17/2005 09:00

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:18  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0559V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.93
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.93
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.93
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.93
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.93
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.93
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.93
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.93
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.93
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.93
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.93
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.93
05460	Benzene	71-43-2	0.008	0.0006	0.006	mg/kg	0.93
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.93
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.93
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.93
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.93
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.93
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.93
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.93
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.93
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.93
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.93
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.93
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.93
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.93
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.93
06301	Xylene (Total)	1330-20-7	0.003 J	0.001	0.006	mg/kg	0.93
07586	Acrolein	107-02-8	N.D.	0.023	0.12	mg/kg	0.93
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.023	mg/kg	0.93

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102067

Lancaster Laboratories Sample No. SW 4585819

05-MET-059V Grab Soil Sample  
N(22.5-23)  
Former Metro Container Investigation

Collected: 08/17/2005 09:00

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:18  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

0559V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/19/2005 12:18		1
06925	Thallium	SW-846 6010B	1	08/21/2005 18:46		1
06935	Arsenic	SW-846 6010B	1	08/21/2005 18:46		1
06936	Selenium	SW-846 6010B	1	08/21/2005 18:46		1
06944	Antimony	SW-846 6010B	1	08/21/2005 18:46		1
06947	Beryllium	SW-846 6010B	1	08/21/2005 18:46		1
06949	Cadmium	SW-846 6010B	1	08/21/2005 18:46		1
06951	Chromium	SW-846 6010B	1	08/21/2005 18:46		1
06953	Copper	SW-846 6010B	1	08/21/2005 18:46		1
06955	Lead	SW-846 6010B	1	08/21/2005 18:46		1
06961	Nickel	SW-846 6010B	1	08/21/2005 18:46		1
06966	Silver	SW-846 6010B	1	08/21/2005 18:46		1
06972	Zinc	SW-846 6010B	1	08/21/2005 18:46		1
00111	Moisture	EPA 160.3 modified	1	08/18/2005 18:56		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 19:57		1
05912	Phenols	SW846 9066	1	08/24/2005 10:41		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/24/2005 23:52		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 11:21		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 01:34		0.93
07584	PPL Volatiles	SW-846 8260B	1	08/23/2005 01:34		0.93
00381	BNA Soil Extraction	SW-846 3550B	1	08/18/2005 17:30		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/18/2005 18:45		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/18/2005 22:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 03:40		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/18/2005 09:37		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/18/2005 09:37		n.a.

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8  
REVISED

Lancaster Laboratories Sample No. SW 4585819

05-MET-059V Grab Soil Sample

N(22.5-23)

Former Metro Container Investigation

Collected: 08/17/2005 09:00

Account Number: 11549

Submitted: 08/17/2005 17:42

Montgomery Watson Harza

Reported: 09/06/2005 at 13:18

P.O. Box 7009

Discard: 10/07/2005

Pasadena CA 91109-7009

0559V

08389 GC/MS - LL Encore Prep

SW-846 5035

2 08/18/2005 09:37

n.a.

\*=This limit was used in the evaluation of the final result

AR102069



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4585819  
Sample wt/vol: 5.39 (g/mL) g Lab File ID: HP09193.i/05aug22b.b/xg22s37.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. 21 Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.87	0.015	J
2.	Unknown siloxane	12.26	0.008	J B
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page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
Matrix: (soil/water) SOIL Lab Sample ID: 4585819  
Sample wt/vol: 30 (g/mL) g Lab File ID: bh344.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: 21 Decanted: (Y/N)                      Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH:                      Extraction: Sonc  
CONCENTRATION UNITS:  
Number TICs found: 16 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	4.517	.18	J
2.141-79-7	!3-Penten-2-one, 4-methyl-	4.972	.23	JAB
3.123-42-2	!2-Pentanone, 4-hydroxy-4-met	6.110	.12	JAB
4.	!Unknown	7.377	.18	J
5.	!Unknown	9.039	1.5	J
6.	!Unknown Alkane	20.548	.20	J
7.	!Unknown	21.120	.35	J
8.	!Unknown	22.201	.31	J
9.	!Unknown	22.271	.20	J
10.	!Unknown	22.353	.23	J
11.	!Unknown Alkane	22.991	.33	J
12.	!Unknown Alkane	23.569	.23	J
13.	!Unknown	23.620	.22	J
14.	!Unknown	24.957	.43	J
15.	!Unknown	27.936	.30	J
16.	!Unknown	31.026	.22	J
17.				
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR102071



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 7  
REVISED

Lancaster Laboratories Sample No. WW 4585820

EB081705S Equipment Blank Water Sample  
EB  
Former Metro Container Investigation

Collected: 08/17/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:19  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

817EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.2 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0020	0.010	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.040	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0020	0.010	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0038	0.010	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0020	0.010	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0050	0.020	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0020	0.010	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0040	0.020	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0060	0.020	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0060	0.020	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.010	0.030	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0040	0.020	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.070	0.50	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.30	1.0	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0040	0.020	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0020	0.010	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0060	0.020	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.023	0.10	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.10	0.50	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.50	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.10	0.50	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.10	0.50	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102072

Lancaster Laboratories Sample No. WW 4585820

**EB081705S Equipment Blank Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/17/2005 15:00

by ■

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:19  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

817EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.10	0.50	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.14	0.50	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.10	0.50	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.030	0.10	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	58.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102073

Lancaster Laboratories Sample No. WW 4585820

**EB081705S Equipment Blank Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/17/2005 15:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 09/06/2005 at 13:19

Discard: 10/07/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

817EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	58.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
06371	Add'l Volatile Compounds						
05662	1,2-Dibromoethane	106-93-4	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102074

Lancaster Laboratories Sample No. WW 4585820

**EB081705S Equipment Blank Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/17/2005 15:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 09/06/2005 at 13:19  
Discard: 10/07/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

817EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4585820

**EB081705S Equipment Blank Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/17/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 09/06/2005 at 13:19

Discard: 10/07/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

817EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/23/2005 09:13	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 17:01	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/19/2005 17:01	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005 19:12	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/19/2005 17:01	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/19/2005 17:01	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 17:01	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/19/2005 17:01	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005 17:01	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/19/2005 17:01	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/19/2005 17:01	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/19/2005 17:01	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/22/2005 19:12	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/23/2005 13:32	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/23/2005 13:07	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/22/2005 00:21	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/20/2005 17:07	[REDACTED]	1
06371	Add'l Volatile Compounds	SW-846 8260B	1	08/19/2005 04:00	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 04:00	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/18/2005 15:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/18/2005 22:45	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 04:00	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/22/2005 19:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/22/2005 14:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4585820  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug18c.b/lgl6s09.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: not dec. Date Analyzed: 08/19/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR102077



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 817EB  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) WATER Lab Sample ID: 4585820  
Sample wt/vol: 1042 (g/mL) mL Lab File ID: oh0694.d  
Level: (low/med) LOW Date Received: 08/17/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/18/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/20/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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page 1 of 1

FORM I SV-1

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052300007A	Sample number(s): 4585820								
Alpha BHC	N.D.	0.0020	0.010	ug/l	110	110	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	110	110	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	110	110	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	110	110	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	94	98	45-130	4	20
Aldrin	N.D.	0.0050	0.020	ug/l	65	66	47-122	2	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	93	95	73-141	2	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	110	114	44-154	4	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	124	124	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	110	110	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	95	100	71-129	5	20
Endrin	N.D.	0.0040	0.020	ug/l	100	90	62-135	11	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	95	95	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	93	97	66-131	4	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	90	95	56-140	5	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	95	95	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	120	130	49-155	8	20
Batch number: 052300013A	Sample number(s): 4585804-4585812, 4585814-4585819								
Gamma BHC - Lindane	N.D.	0.170	0.830	ug/kg	93		74-133		
Heptachlor	N.D.	0.170	0.830	ug/kg	101		72-143		
Aldrin	N.D.	0.170	0.830	ug/kg	94		74-137		
p,p-DDT	N.D.	0.330	1.70	ug/kg	125		67-152		
Dieldrin	N.D.	0.330	1.70	ug/kg	97		71-133		
Endrin	N.D.	0.330	1.70	ug/kg	97		68-133		
Methoxychlor	N.D.	1.70	8.30	ug/kg	133		56-168		
Alpha BHC	N.D.	0.170	0.830	ug/kg	90		70-134		
Beta BHC	N.D.	0.170	0.830	ug/kg	94		68-137		
Delta BHC	N.D.	0.210	0.830	ug/kg	157		53-167		
Heptachlor Epoxide	N.D.	0.170	0.830	ug/kg	94		72-132		
p,p-DDE	N.D.	0.330	1.70	ug/kg	92		71-143		
p,p-DDD	N.D.	0.330	1.70	ug/kg	89		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.0	33.0	ug/kg					

\*- Outside of specification

\*\*- This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Endosulfan I	N.D.	0.170	0.830	ug/kg	102		71-130		
Endosulfan II	N.D.	0.330	1.70	ug/kg	98		73-134		
Endosulfan Sulfate	N.D.	0.330	1.70	ug/kg	103		58-133		
Endrin Aldehyde	N.D.	0.330	1.70	ug/kg	93		47-145		
PCB-1016	N.D.	7.40	17.0	ug/kg					
PCB-1221	N.D.	3.30	17.0	ug/kg					
PCB-1232	N.D.	4.80	17.0	ug/kg					
PCB-1242	N.D.	3.00	17.0	ug/kg					
PCB-1248	N.D.	11.0	33.0	ug/kg					
PCB-1254	N.D.	3.30	17.0	ug/kg					
PCB-1260	N.D.	11.0	33.0	ug/kg					
Batch number: 052301848003 Sample number(s): 4585820									
Thallium	N.D.	0.0100	0.0200	mg/l	101		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	106		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	98		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	104		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	106		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	105		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	102		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	103		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	101		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	102		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	107		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	101		90-112		
Batch number: 052305708006 Sample number(s): 4585804-4585812,4585814-4585819									
Thallium	N.D.	0.960	2.00	mg/kg	105		76-125		
Arsenic	N.D.	0.670	2.00	mg/kg	97		80-120		
Selenium	N.D.	0.960	2.00	mg/kg	103		74-126		
Antimony	N.D.	0.820	2.00	mg/kg	53		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	101		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	96		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	101		78-121		
Copper	N.D.	0.300	1.00	mg/kg	100		80-120		
Lead	N.D.	0.780	2.00	mg/kg	97		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	98		78-122		
Silver	N.D.	0.190	0.500	mg/kg	111		49-150		
Zinc	N.D.	0.460	2.00	mg/kg	93		46-154		
Batch number: 052305711002 Sample number(s): 4585804-4585812,4585814-4585819									
Mercury	N.D.	0.0027	0.100	mg/kg	89		66-133		
Batch number: 05230820003A Sample number(s): 4585804-4585809									
Moisture					100		99-101		
Batch number: 05230820003B Sample number(s): 4585810-4585812,4585814-4585819									
Moisture					100		99-101		
Batch number: 05230SLB026 Sample number(s): 4585804-4585812,4585814-4585819									
1,4-Dioxane	N.D.	100.	500.	ug/kg	49		14-81		
Phenol	N.D.	33.	170.	ug/kg	83		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	90		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	86		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	86		61-109		

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	84		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	92		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	89		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	95		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	96		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	99		47-110		
Pyrene	N.D.	33.	170.	ug/kg	89		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	89		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	92		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	84		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	88		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	92		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	87		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	92		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	85		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	80		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	82		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	81		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	99		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	86		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	83		68-105		
Isophorone	N.D.	33.	170.	ug/kg	80		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	92		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	82		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	87		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	110		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	78		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	100		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	90		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	93		75-108		
Fluorene	N.D.	33.	170.	ug/kg	84		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	90		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	88		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	80		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	84		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	90		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	90		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	85		70-107		
Anthracene	N.D.	33.	170.	ug/kg	83		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	82		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	82		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	56		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	89		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	90		73-111		
Chrysene	N.D.	33.	170.	ug/kg	91		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	63		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	89		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	105		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	107		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	104		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	108		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	106		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	112		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	106		66-120		

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 05230WAA026	Sample number(s): 4585820								
1,4-Dioxane	N.D.	1.	5.	ug/l	60	61	43-73	2	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	91	92	65-107	1	30
2-Chlorophenol	N.D.	1.	5.	ug/l	87	89	63-112	2	30
Phenol	N.D.	1.	5.	ug/l	41	41	29-57	1	30
2-Nitrophenol	N.D.	1.	5.	ug/l	100	101	83-119	1	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	83	82	60-107	2	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	89	88	66-110	2	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	94	92	48-114	2	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	92	94	69-111	2	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	73	75	44-130	3	30
4-Nitrophenol	N.D.	10.	30.	ug/l	42	38	16-75	10	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	82	84	56-130	2	30
Pentachlorophenol	N.D.	3.	15.	ug/l	81	84	48-108	5	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	63	64	39-84	1	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	85	86	57-110	2	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	63	68	52-102	7	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	67	71	54-103	6	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	68	71	58-99	5	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	115	116	68-133	1	30
Hexachloroethane	N.D.	1.	5.	ug/l	47	55	33-106	15	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	90	93	56-109	3	30
Nitrobenzene	N.D.	1.	5.	ug/l	92	90	61-111	2	30
Isophorone	N.D.	1.	5.	ug/l	89	89	63-105	0	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	100	102	69-119	2	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	75	75	62-101	0	30
Naphthalene	N.D.	1.	5.	ug/l	88	87	70-102	2	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	53	59	33-118	11	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	63	66	14-169	4	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	74	76	56-100	3	30
Acenaphthylene	N.D.	1.	5.	ug/l	105	106	65-120	1	30
Dimethylphthalate	N.D.	2.	5.	ug/l	82	84	46-109	1	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	93	94	70-108	2	30
Acenaphthene	N.D.	1.	5.	ug/l	91	93	68-111	2	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	94	94	75-122	0	30
Fluorene	N.D.	1.	5.	ug/l	87	87	61-116	0	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	88	88	65-110	0	30
Diethylphthalate	N.D.	2.	5.	ug/l	93	93	61-110	0	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	96	98	62-106	2	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	98	99	63-104	1	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	94	95	67-110	1	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	91	91	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	95	96	68-111	0	30
Anthracene	N.D.	1.	5.	ug/l	94	92	68-108	3	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	101	101	63-113	1	30
Fluoranthene	N.D.	1.	5.	ug/l	89	88	66-108	1	30
Pyrene	N.D.	1.	5.	ug/l	96	98	68-114	3	30
Benzidine	N.D.	20.	60.	ug/l	99	93	20-134	6	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	100	101	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	89	90	72-112	1	30
Chrysene	N.D.	1.	5.	ug/l	91	93	70-111	2	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	98	96	39-116	2	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	101	103	62-126	2	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	103	107	58-118	4	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	84	83	67-117	1	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	96	97	67-120	1	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	91	91	68-121	1	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	89	88	67-122	1	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	94	96	71-129	2	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	92	91	67-121	2	30
Batch number: 05232120102A	Sample number(s): 4585820								
Phenols	N.D.	0.0090	0.030	mg/l	101	99	83-108	2	20
Batch number: 05234102202B	Sample number(s): 4585804-4585810								
Total Cyanide	N.D.	0.18	0.50	mg/kg	103		90-110		
Batch number: 05234113201B	Sample number(s): 4585804-4585810								
Phenols	N.D.	1.2	3.5	mg/kg	99		80-120		
Batch number: 05234117101A	Sample number(s): 4585820								
Total Cyanide	N.D.	0.0050	0.010	mg/l	103		90-110		
Batch number: 052345713004	Sample number(s): 4585820								
Mercury	N.D.	0.00006	0.00020	mg/l	108		80-120		
		2							
Batch number: 05235102201A	Sample number(s): 4585811-4585812,4585814-4585819								
Total Cyanide	N.D.	0.18	0.50	mg/kg	103		90-110		
Batch number: 05236113201A	Sample number(s): 4585811-4585812,4585814-4585819								
Phenols	N.D.	1.2	3.5	mg/kg	95		80-120		
Batch number: L052301AA	Sample number(s): 4585820								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	87		77-127		
t-Butyl alcohol	N.D.	10.	80.	ug/l	95		57-141		
Chloromethane	N.D.	1.	5.	ug/l	91		59-177		
Vinyl Chloride	N.D.	1.	5.	ug/l	89		71-134		
Bromomethane	N.D.	1.	5.	ug/l	64		62-131		
Chloroethane	N.D.	1.	5.	ug/l	71		67-127		
Trichlorofluoromethane	N.D.	2.	5.	ug/l	100		70-148		
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	87		79-130		
Methylene Chloride	N.D.	2.	5.	ug/l	87		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	88		81-124		
1,1-Dichloroethane	N.D.	1.	5.	ug/l	90		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	90		84-117		
Chloroform	N.D.	0.8	5.	ug/l	92		86-124		
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	90		83-127		
Carbon Tetrachloride	N.D.	1.	5.	ug/l	92		77-130		
Benzene	N.D.	0.5	5.	ug/l	92		85-117		
1,2-Dichloroethane	N.D.	1.	5.	ug/l	92		77-132		
Trichloroethene	N.D.	1.	5.	ug/l	92		87-117		
1,2-Dichloropropane	N.D.	1.	5.	ug/l	92		80-117		
Bromodichloromethane	N.D.	1.	5.	ug/l	88		83-121		
Toluene	N.D.	0.7	5.	ug/l	94		85-115		
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	93		86-113		
Tetrachloroethene	N.D.	0.8	5.	ug/l	92		74-125		
Dibromochloromethane	N.D.	1.	5.	ug/l	92		78-119		
Chlorobenzene	N.D.	0.8	5.	ug/l	93		85-115		
Ethylbenzene	N.D.	0.8	5.	ug/l	94		82-119		

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## Quality Control Summary

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Group Number: 955791

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromoform	N.D.	1.	5.	ug/l	90		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	95		72-119		
1,2-Dibromoethane	N.D.	1.	5.	ug/l	93		81-114		
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	96		79-114		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	92		78-114		
Xylene (Total)	N.D.	0.8	5.	ug/l	96		83-113		
Acrylonitrile	N.D.	4.	20.	ug/l	91		55-137		
Acrolein	N.D.	40.	100.	ug/l	78		28-146		
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	84		53-133		
Batch number: Q052361AA Sample number(s): 4585816-4585817									
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	110	109	75-125	0	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	104	104	51-160	0	30
Chloromethane	N.D.	100.	250.	ug/kg	100	106	62-132	6	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	102	102	66-124	0	30
Bromomethane	N.D.	100.	250.	ug/kg	119	122	59-127	2	30
Chloroethane	N.D.	100.	200.	ug/kg	90	91	63-120	1	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	110	107	65-138	3	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	110	106	69-133	4	30
Methylene Chloride	N.D.	100.	250.	ug/kg	108	109	75-120	1	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	106	108	77-124	2	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	109	111	79-124	1	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	106	105	76-120	0	30
Chloroform	N.D.	50.	250.	ug/kg	111	110	81-117	1	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	109	109	74-127	0	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	106	106	69-130	0	30
Benzene	N.D.	25.	250.	ug/kg	110	110	77-119	0	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	110	112	76-126	1	30
Trichloroethene	N.D.	50.	250.	ug/kg	110	110	81-114	0	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	109	112	78-119	3	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	112	112	77-116	0	30
Toluene	N.D.	50.	250.	ug/kg	106	108	81-116	1	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	105	103	74-117	2	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	104	101	73-127	3	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	111	112	73-116	1	30
Chlorobenzene	N.D.	50.	250.	ug/kg	104	106	81-112	2	30
Ethylbenzene	N.D.	50.	250.	ug/kg	106	107	82-115	0	30
Bromoform	N.D.	50.	250.	ug/kg	103	104	64-125	0	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	105	105	64-121	0	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	108	106	77-114	2	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	105	105	72-119	0	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	113	113	72-117	0	30
Xylene (Total)	N.D.	50.	250.	ug/kg	107	108	82-117	1	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	112	112	9-208	1	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	105	106	33-143	1	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	105	105	56-129	0	30
Batch number: R052311AB Sample number(s): 4585813									
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	90	98	75-125	9	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	86	97	51-160	12	30
Chloromethane	N.D.	100.	250.	ug/kg	77	83	62-132	7	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	76	82	66-124	8	30
Bromomethane	N.D.	100.	250.	ug/kg	90	92	59-127	3	30
Chloroethane	N.D.	100.	200.	ug/kg	81	83	63-120	2	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	80	90	65-138	12	30

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	80	91	69-133	13	30
Methylene Chloride	N.D.	100.	250.	ug/kg	93	97	75-120	5	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	89	97	77-124	9	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	92	101	79-124	10	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	93	101	76-120	9	30
Chloroform	N.D.	50.	250.	ug/kg	92	101	81-117	9	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	86	96	74-127	11	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	83	93	69-130	12	30
Benzene	N.D.	25.	250.	ug/kg	93	101	77-119	9	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	92	100	76-126	9	30
Trichloroethene	N.D.	50.	250.	ug/kg	90	101	81-114	11	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	92	102	78-119	10	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	87	96	77-116	9	30
Toluene	N.D.	50.	250.	ug/kg	92	102	81-116	11	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	94	104	74-117	10	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	87	100	73-127	13	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	90	100	73-116	11	30
Chlorobenzene	N.D.	50.	250.	ug/kg	94	103	81-112	10	30
Ethylbenzene	N.D.	50.	250.	ug/kg	93	103	82-115	11	30
Bromoform	N.D.	50.	250.	ug/kg	87	98	64-125	11	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	93	103	64-121	11	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	95	103	77-114	8	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	94	103	72-119	9	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	93	102	72-117	9	30
Xylene (Total)	N.D.	50.	250.	ug/kg	92	103	82-117	11	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	93	102	9-208	10	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	72	77	33-143	7	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	89	97	56-129	9	30

Batch number: R052341AA

Sample number(s): 4585811,4585814

Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	94	100	75-125	6	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	92	97	51-160	6	30
Chloromethane	N.D.	100.	250.	ug/kg	79	80	62-132	2	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	76	78	66-124	2	30
Bromomethane	N.D.	100.	250.	ug/kg	79	82	59-127	3	30
Chloroethane	N.D.	100.	200.	ug/kg	63	66	63-120	6	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	80	83	65-138	3	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	84	87	69-133	3	30
Methylene Chloride	N.D.	100.	250.	ug/kg	93	98	75-120	6	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	89	93	77-124	4	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	94	98	79-124	4	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	95	100	76-120	5	30
Chloroform	N.D.	50.	250.	ug/kg	95	101	81-117	6	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	89	93	74-127	4	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	86	90	69-130	5	30
Benzene	N.D.	25.	250.	ug/kg	95	100	77-119	5	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	94	99	76-126	5	30
Trichloroethene	N.D.	50.	250.	ug/kg	93	98	81-114	5	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	96	102	78-119	6	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	90	97	77-116	8	30
Toluene	N.D.	50.	250.	ug/kg	94	100	81-116	5	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	96	103	74-117	7	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	88	93	73-127	5	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	92	100	73-116	9	30
Chlorobenzene	N.D.	50.	250.	ug/kg	96	102	81-112	6	30

\*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethylbenzene	N.D.	50.	250.	ug/kg	94	100	82-115	6	30
Bromoform	N.D.	50.	250.	ug/kg	91	100	64-125	10	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	96	103	64-121	7	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	96	105	77-114	8	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	97	104	72-119	7	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	95	103	72-117	8	30
Xylene (Total)	N.D.	50.	250.	ug/kg	94	99	82-117	6	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	99	107	9-208	7	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	75	79	33-143	6	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	95	101	56-129	6	30

Batch number: X052341AB	Sample number(s): 4585804-4585805, 4585807-4585808, 4585815, 4585818-4585819								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	91	93	75-125	2	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	94	93	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	95	92	62-132	4	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	93	88	66-124	5	30
Bromomethane	N.D.	2.	5.	ug/kg	95	93	59-127	2	30
Chloroethane	N.D.	2.	4.	ug/kg	95	92	63-120	4	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	92	87	65-138	5	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	90	86	69-133	4	30
Methylene Chloride	2. J	2.	5.	ug/kg	97	94	75-120	3	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	94	89	77-124	5	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	99	95	79-124	4	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	97	95	76-120	3	30
Chloroform	N.D.	1.	5.	ug/kg	99	96	81-117	4	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	96	92	74-127	4	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	93	89	69-130	5	30
Benzene	N.D.	0.5	5.	ug/kg	99	95	77-119	3	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	97	95	76-126	2	30
Trichloroethene	N.D.	1.	5.	ug/kg	97	93	81-114	5	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	101	96	78-119	5	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	96	94	77-116	2	30
Toluene	N.D.	1.	5.	ug/kg	99	96	81-116	3	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	93	96	74-117	3	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	97	93	73-127	4	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	94	95	73-116	1	30
Chlorobenzene	N.D.	1.	5.	ug/kg	99	97	81-112	2	30
Ethylbenzene	N.D.	1.	5.	ug/kg	99	96	82-115	3	30
Bromoform	N.D.	1.	5.	ug/kg	90	90	64-125	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	88	94	64-121	7	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	93	96	77-114	4	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	101	98	72-119	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	96	96	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	98	95	82-117	4	30
Acrolein	N.D.	20.	40.	ug/kg	74	79	33-143	6	30
Acrylonitrile	N.D.	4.	20.	ug/kg	79	87	56-129	9	30

Batch number: X052341AC	Sample number(s): 4585806, 4585809-4585810, 4585812								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	91	93	75-125	2	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	94	93	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	95	92	62-132	4	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	93	88	66-124	5	30
Bromomethane	N.D.	2.	5.	ug/kg	95	93	59-127	2	30
Chloroethane	N.D.	2.	4.	ug/kg	95	92	63-120	4	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	92	87	65-138	5	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	90	86	69-133	4	30
Methylene Chloride	2. J	2.	5.	ug/kg	97	94	75-120	3	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	94	89	77-124	5	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	99	95	79-124	4	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	97	95	76-120	3	30
Chloroform	N.D.	1.	5.	ug/kg	99	96	81-117	4	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	96	92	74-127	4	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	93	89	69-130	5	30
Benzene	N.D.	0.5	5.	ug/kg	99	95	77-119	3	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	97	95	76-126	2	30
Trichloroethene	N.D.	1.	5.	ug/kg	97	93	81-114	5	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	101	96	78-119	5	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	96	94	77-116	2	30
Toluene	N.D.	1.	5.	ug/kg	99	96	81-116	3	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	93	96	74-117	3	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	97	93	73-127	4	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	94	95	73-116	1	30
Chlorobenzene	N.D.	1.	5.	ug/kg	99	97	81-112	2	30
Ethylbenzene	N.D.	1.	5.	ug/kg	99	96	82-115	3	30
Bromoform	N.D.	1.	5.	ug/kg	90	90	64-125	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	88	94	64-121	7	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	93	96	77-114	4	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	101	98	72-119	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	96	96	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	98	95	82-117	4	30
Acrolein	N.D.	20.	40.	ug/kg	74	79	33-143	6	30
Acrylonitrile	N.D.	4.	20.	ug/kg	79	87	56-129	9	30

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052300013A								
Sample number(s): 4585804-4585812, 4585814-4585819								
Gamma BHC - Lindane	0*	0*	43-154	0	35			
Heptachlor	0*	0*	70-138	0	35			
Aldrin	0*	0*	58-159	0	35			
p,p-DDT	0*	0*	62-166	0	35			
Dieldrin	0*	0*	68-139	0	35			
Endrin	0*	0*	48-188	0	35			
Methoxychlor	0*	0*	74-162	0	35			
Alpha BHC	0*	0*	64-134	0	35			
Beta BHC	0*	0*	31-176	0	35			
Delta BHC	0*	0*	68-158	0	35			
Heptachlor Epoxide	0*	0*	69-133	0	35			
p,p-DDE	0*	0*	48-175	0	35			
p,p-DDD	0*	0*	52-181	0	35			
Endosulfan I	0*	0*	41-166	0	35			
Endosulfan II	0*	0*	65-144	0	35			
Endosulfan Sulfate	0*	0*	65-154	0	35			
Endrin Aldehyde	0*	0*	63-125	0	35			

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	Max
Batch number: 052301848003	Sample number(s): 4585820							
Thallium	98	98	89-112	0	20	N.D.	N.D.	219* (1) 20
Arsenic	103	102	86-119	1	20	N.D.	N.D.	158* (1) 20
Selenium	99	99	75-125	0	20	N.D.	N.D.	7629* (1) 20
Antimony	101	100	75-125	1	20	N.D.	N.D.	51* (1) 20
Beryllium	104	103	91-117	0	20	N.D.	N.D.	120* (1) 20
Cadmium	100	100	87-117	0	20	N.D.	N.D.	100* (1) 20
Chromium	99	99	86-118	0	20	N.D.	N.D.	148* (1) 20
Copper	100	100	89-119	1	20	0.0070 J	0.0068 J	3 (1) 20
Lead	98	98	87-118	0	20	N.D.	N.D.	5 (1) 20
Nickel	98	98	91-111	1	20	0.0073 J	0.0080 J	9 (1) 20
Silver	104	103	75-125	1	20	N.D.	N.D.	2 (1) 20
Zinc	99	98	80-120	1	20	N.D.	N.D.	2 (1) 20
Batch number: 052305708006	Sample number(s): 4585804-4585812, 4585814-4585819							
Thallium	93	92	86-106	1	20	2.27	2.39	5 (1) 20
Arsenic	99	97	75-112	2	20	7.30	7.79	7 (1) 20
Selenium	96	96	81-112	0	20	N.D.	N.D.	1 (1) 20
Antimony	74*	75	75-125	1	20	N.D.	N.D.	211* (1) 20
Beryllium	101	100	89-114	1	20	0.619	0.658	6 (1) 20
Cadmium	96	96	75-125	1	20	N.D.	N.D.	77* (1) 20
Chromium	107	103	75-125	3	20	13.3	12.5	6 20
Copper	99	97	75-125	1	20	18.6	18.8	1 20
Lead	95	95	75-125	0	20	20.2	21.9	8 20
Nickel	93	91	75-125	2	20	16.6	16.4	1 20
Silver	103	103	82-116	1	20	N.D.	N.D.	91* (1) 20
Zinc	92	81	75-125	5	20	61.0	59.7	2 20
Batch number: 052305711002	Sample number(s): 4585804-4585812, 4585814-4585819							
Mercury	96	87	80-120	5	20	0.118	0.0833 J	35* (1) 20
Batch number: 05230820003A	Sample number(s): 4585804-4585809							
Moisture					22.1	22.6	2	15
Batch number: 05230820003B	Sample number(s): 4585810-4585812, 4585814-4585819							
Moisture					21.0	20.9	1	15
Batch number: 05230SLB026	Sample number(s): 4585804-4585812, 4585814-4585819							
1,4-Dioxane	49	51	6-84	5	30			
Phenol	83	82	48-128	1	30			
2-Chlorophenol	92	89	36-140	3	30			
1,4-Dichlorobenzene	85	85	46-115	0	30			
N-Nitroso-di-n-propylamine	89	88	42-132	1	30			
1,2,4-Trichlorobenzene	85	85	62-114	1	30			
4-Chloro-3-methylphenol	91	88	42-147	3	30			
Acenaphthene	89	85	47-137	4	30			
4-Nitrophenol	96	92	30-151	5	30			
2,4-Dinitrotoluene	96	97	66-126	1	30			
Pentachlorophenol	88	83	22-126	7	30			
Pyrene	88	88	25-159	0	30			
1-Methylnaphthalene	88	88	60-128	0	30			
2-Nitrophenol	90	91	53-140	0	30			
2,4-Dimethylphenol	85	86	44-131	1	30			
2,4-Dichlorophenol	88	88	60-123	1	30			

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
2,4,6-Trichlorophenol	82	79	51-128	3	30			
2,4-Dinitrophenol	76	62	20-152	20	30			
4,6-Dinitro-2-methylphenol	87	80	14-136	8	30			
N-Nitrosodimethylamine	85	84	56-110	2	30			
bis(2-Chloroethyl)ether	84	82	60-110	2	30			
1,3-Dichlorobenzene	82	81	52-112	2	30			
1,2-Dichlorobenzene	80	78	56-108	2	30			
bis(2-Chloroisopropyl)ether	98	100	38-157	3	30			
Hexachloroethane	83	81	30-130	3	30			
Nitrobenzene	84	84	65-113	0	30			
Isophorone	79	83	55-116	4	30			
bis(2-Chloroethoxy)methane	91	90	63-128	2	30			
Naphthalene	82	82	54-121	0	30			
Hexachlorobutadiene	87	87	43-132	0	30			
Hexachlorocyclopentadiene	66	49	5-175	29	30			
2-Chloronaphthalene	77	75	51-100	3	30			
Acenaphthylene	97	95	66-137	2	30			
Dimethylphthalate	88	87	70-112	1	30			
2,6-Dinitrotoluene	90	89	66-116	1	30			
Fluorene	82	82	48-130	0	30			
4-Chlorophenyl-phenylether	87	86	50-128	1	30			
Diethylphthalate	88	86	71-112	3	30			
1,2-Diphenylhydrazine	82	79	26-141	3	30			
N-Nitrosodiphenylamine	86	83	59-133	3	30			
4-Bromophenyl-phenylether	88	89	69-119	1	30			
Hexachlorobenzene	88	87	59-130	1	30			
Phenanthrene	87	85	28-155	2	30			
Anthracene	85	85	47-135	1	30			
Di-n-butylphthalate	79	81	67-119	3	30			
Fluoranthene	77	79	32-137	2	30			
Benzidine	41	47	20-173	15	30			
Butylbenzylphthalate	86	84	55-131	2	30			
Benzo(a)anthracene	87	89	39-144	2	30			
Chrysene	91	91	38-144	0	30			
3,3'-Dichlorobenzidine	80	84	10-133	6	30			
bis(2-Ethylhexyl)phthalate	84	82	54-141	2	30			
Di-n-octylphthalate	108	107	47-144	1	30			
Benzo(b)fluoranthene	104	103	24-155	1	30			
Benzo(k)fluoranthene	103	102	2-176	1	30			
Benzo(a)pyrene	107	105	38-142	2	30			
Indeno(1,2,3-cd)pyrene	100	99	1-186	1	30			
Dibenz(a,h)anthracene	108	106	44-154	2	30			
Benzo(g,h,i)perylene	102	97	32-150	5	30			

Batch number: 05234102202B	Sample number(s): 4585804-4585810				
Total Cyanide	27*	52-135	N.D.	N.D.	200* (1) 17
Batch number: 05234113201B	Sample number(s): 4585804-4585810				
Phenols	99	98 38-175	1	26	
Batch number: 05234117101A	Sample number(s): 4585820				
Total Cyanide	100	82-114	N.D.	N.D.	0 (1) 20
Batch number: 052345713004	Sample number(s): 4585820				

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Mercury	100	100	80-120	0	20	N.D.	N.D.	275* (1) 20
Batch number: 05235102201A	Sample number(s): 4585811-4585812,4585814-4585819							
Total Cyanide	99		52-135			N.D.	N.D.	76* (1) 17
Batch number: 05236113201A	Sample number(s): 4585811-4585812,4585814-4585819							
Phenols	104	99	38-175	8	26			
Batch number: L052301AA	Sample number(s): 4585820							
Methyl Tertiary Butyl Ether	89	93	69-134	4	30			
t-Butyl alcohol	97	100	51-147	4	30			
Chloromethane	109	103	72-208	6	30			
Vinyl Chloride	112	104	81-150	8	30			
Bromomethane	78	71	59-143	9	30			
Chloroethane	88	81	63-142	9	30			
Trichlorofluoromethane	125	118	77-177	6	30			
1,1-Dichloroethene	96	100	87-145	4	30			
Methylene Chloride	91	94	79-133	4	30			
trans-1,2-Dichloroethene	96	98	82-133	2	30			
1,1-Dichloroethane	97	101	85-135	5	30			
cis-1,2-Dichloroethene	98	101	83-126	3	30			
Chloroform	99	102	82-131	3	30			
1,1,1-Trichloroethane	99	103	81-142	3	30			
Carbon Tetrachloride	100	104	79-155	4	30			
Benzene	100	103	83-128	4	30			
1,2-Dichloroethane	97	100	73-136	3	30			
Trichloroethene	99	102	83-136	4	30			
1,2-Dichloropropane	98	101	83-129	4	30			
Bromodichloromethane	92	95	80-129	3	30			
Toluene	101	105	83-127	4	30			
1,1,2-Trichloroethane	96	100	77-125	4	30			
Tetrachloroethene	100	103	78-133	3	30			
Dibromochloromethane	97	99	73-119	1	30			
Chlorobenzene	99	102	83-120	3	30			
Ethylbenzene	100	104	82-129	4	30			
Bromoform	93	94	64-119	0	30			
1,1,2,2-Tetrachloroethane	94	98	69-121	4	30			
1,2-Dibromoethane	96	98	78-120	3	30			
trans-1,3-Dichloropropene	96	98	75-117	2	30			
cis-1,3-Dichloropropene	91	92	76-117	1	30			
Xylene (Total)	102	106	82-130	4	30			
Acrylonitrile	91	94	54-132	4	30			
Acrolein	83	81	21-153	2	30			
2-Chloroethyl Vinyl Ether	0*	0*	1-172	0	30			
Batch number: X052341AB	Sample number(s): 4585804-4585805,4585807-4585808,4585815,4585818-4585819							
Methyl Tertiary Butyl Ether	90		49-140					
t-Butyl alcohol	114		46-148					
Chloromethane	98		60-132					
Vinyl Chloride	96		60-126					
Bromomethane	94		52-121					
Chloroethane	91		60-122					
Trichlorofluoromethane	96		53-142					
1,1-Dichloroethene	95		62-133					

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Methylene Chloride	94		59-135					
trans-1,2-Dichloroethene	90		64-125					
1,1-Dichloroethane	98		65-125					
cis-1,2-Dichloroethene	93		63-125					
Chloroform	96		65-126					
1,1,1-Trichloroethane	97		59-134					
Carbon Tetrachloride	93		53-138					
Benzene	93		67-123					
1,2-Dichloroethane	96		62-130					
Trichloroethene	86		62-126					
1,2-Dichloropropane	94		64-120					
Bromodichloromethane	93		65-118					
Toluene	82		55-125					
1,1,2-Trichloroethane	90		62-122					
Tetrachloroethene	77		45-151					
Dibromochloromethane	90		62-120					
Chlorobenzene	77		62-116					
Ethylbenzene	72		50-127					
Bromoform	88		52-123					
1,1,2,2-Tetrachloroethane	84		37-142					
1,2-Dibromoethane	86		62-116					
trans-1,3-Dichloropropene	91		61-121					
cis-1,3-Dichloropropene	89		54-122					
Xylene (Total)	71		54-123					
Acrolein	15		12-136					
Acrylonitrile	74		47-125					
Batch number: X052341AC	Sample number(s): 4585806,4585809-4585810,4585812							
Methyl Tertiary Butyl Ether	90		49-140					
t-Butyl alcohol	114		46-148					
Chloromethane	98		60-132					
Vinyl Chloride	96		60-126					
Bromomethane	94		52-121					
Chloroethane	91		60-122					
Trichlorofluoromethane	96		53-142					
1,1-Dichloroethene	95		62-133					
Methylene Chloride	94		59-135					
trans-1,2-Dichloroethene	90		64-125					
1,1-Dichloroethane	98		65-125					
cis-1,2-Dichloroethene	93		63-125					
Chloroform	96		65-126					
1,1,1-Trichloroethane	97		59-134					
Carbon Tetrachloride	93		53-138					
Benzene	93		67-123					
1,2-Dichloroethane	96		62-130					
Trichloroethene	86		62-126					
1,2-Dichloropropane	94		64-120					
Bromodichloromethane	93		65-118					
Toluene	82		55-125					
1,1,2-Trichloroethane	90		62-122					
Tetrachloroethene	77		45-151					
Dibromochloromethane	90		62-120					
Chlorobenzene	77		62-116					
Ethylbenzene	72		50-127					

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Bromoform	88		52-123					
1,1,2,2-Tetrachloroethane	84		37-142					
1,2-Dibromoethane	86		62-116					
trans-1,3-Dichloropropene	91		61-121					
cis-1,3-Dichloropropene	89		54-122					
Xylene (Total)	71		54-123					
Acrolein	15		12-136					
Acrylonitrile	74		47-125					

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052300007A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4585820	98	112
Blank	94	98
LCS	99	94
LCSD	101	97
Limits:	45-125	47-155

Analysis Name: Pesticides/PCBs in Solids  
Batch number: 052300013A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4585804	380*	194*
4585805	95	168*
4585806	97	398*
4585807	96	339*
4585808	0*	1462*
4585809	173*	2394*
4585810	86	900*
4585811	98	1263*
4585812	937*	4138*
4585814	90	1208*
4585815	87	985*
4585816	95	121
4585817	86	159
4585818	144	2107*
4585819	94	69
Blank	99	113
LCS	96	114
MS	108	229*
MSD	93	201*
Limits:	58-149	62-159

Analysis Name: TCL SW846 Semivolatiles Soil

Batch number: 05230SLB026  
Phenol-d6      2-Fluorophenol      2,4,6-Tribromophenol      Nitrobenzene-d5

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Surrogate Quality Control

4585804	73	75	88	83
4585805	81	81	87	85
4585806	91	91	68	91
4585807	79	79	54	77
4585808	76	77	17*	94
4585809	170*	173*	134	178*
4585810	80	79	54	79
4585811	99	91	13*	102
4585812	87	88	42*	89
4585814	171*	174*	152*	185*
4585815	89	91	70	97
4585816	75	75	86	84
4585817	74	80	87	105
4585818	63	66	60	66
4585819	66	72	86	82
Blank	71	71	80	80
LCS	81	81	94	89
MS	80	81	90	87
MSD	78	79	88	89

Limits: 45-120 50-118 46-136 47-128

2-Fluorobiphenyl

Terphenyl-d14

4585804	86	85
4585805	91	89
4585806	95	93
4585807	87	77
4585808	88	90
4585809	192*	180*
4585810	87	84
4585811	108	101
4585812	97	90
4585814	197*	179*
4585815	106	94
4585816	92	85
4585817	97	92
4585818	76	77
4585819	83	90
Blank	83	79
LCS	91	94
MS	87	91
MSD	85	90

Limits: 55-123 51-158

Analysis Name: TCL SW846 Semivolatiles/Waters

Batch number: 05230WAA026

2-Fluorophenol

Phenol-d6

2,4,6-Tribromophenol

Nitrobenzene-d5

4585820	60	37	94	97
Blank	61	38	93	95
LCS	63	41	93	98
LCSD	63	41	92	97

Limits: 10-99 10-80 31-148 51-123

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Surrogate Quality Control

	2-Fluorobiphenyl	Terphenyl-d14
4585820	95	102
Blank	86	99
LCS	92	101
LCSD	95	104
Limits:	64-112	52-151

Analysis Name: 8260 Special Cmpds for Waters  
Batch number: L052301AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4585820	104	100	101	95
Blank	102	97	101	99
LCS	100	97	105	104
MS	101	99	105	105
MSD	101	98	104	104
Limits:	81-120	82-112	85-112	83-113

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: Q052361AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4585816	83	80	75	91
4585817	87	84	73	87
Blank	84	82	77	77
LCS	107	106	103	101
LCSD	106	107	103	103
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: R052311AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4585813	89	89	85	83
Blank	96	96	93	88
LCS	91	91	90	89
LCSD	97	100	97	94
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: R052341AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4585811	73	71	60*	62*
4585814	88	88	83	120
Blank	96	96	93	88
LCS	95	94	91	90
LCSD	96	97	93	92
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: X052341AB

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/06/05 at 01:20 PM

Group Number: 955791

### Surrogate Quality Control

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4585804	89	88	94	87
4585805	90	86	97	84
4585807	95	92	112	88
4585808	107	110	121	220*
4585815	91	88	110	80
4585818	104	102	130	78
4585819	88	88	91	93
Blank	91	91	91	89
LCS	89	84	92	90
LCSD	89	87	93	89
MS	89	84	93	89

Limits: 70-129 70-121 70-130 70-128

Analysis Name: 8260 Special Cmpds for Soils

Batch number: X052341AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4585806	94	91	108	87
4585809	92	85	110	75
4585810	90	84	97	85
4585812	89	91	96	93
Blank	87	85	92	91
LCS	89	84	92	90
LCSD	89	87	93	89
MS	89	84	93	89

Limits: 70-129 70-121 70-130 70-128

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For Lancaster Laboratories use only

 Group No.: 955791 Sample Nos.: 4585804-20

 Acc't No.: 11549 SCR No.: \_\_\_\_\_

 Cooler temperature upon receipt: 20-5.2 °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix:		Analyses Requested												Remarks:	
Project Manager: _____		Quote #: _____																	
Project Name: <u>Former Metro Container Investigation</u>																			
Sampler: _____																			
P.O. #: _____																			
Name of state where samples were collected: <u>PA</u>																			

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture																		
05-MET-002	8/17/05	0740	X		X			4	X	X	X	X	X	X	X	X	X																		NC(4.5'-5')
05-MET-180	"	0840	X		X			4	X	X	X	X	X	X	X	X	X																		NC(8.5'-9.0')
05-MET-076	"	0940	X		X			4	X	X	X	X	X	X	X	X	X																		N(4.5'-5')
05-MET-076A	"	0945	X		X			4	X	X	X	X	X	X	X	X	X																		N(4.5'-5')
05-MET-080	"	1040	X		X			4	X	X	X	X	X	X	X	X	X																		N(8.5'-9.0')
05-MET-079	"	1130	X		X			4	X	X	X	X	X	X	X	X	X																		N(2'-2.5')
05-MET-108	"	1340	X		X			4	X	X	X	X	X	X	X	X	X																		N(8.5'-9')
05-MET-025	"	1420	X		X			4	X	X	X	X	X	X	X	X	X																		N(2.5'-3')
05-MET-079S	"	1110	X		X			4	X	X	X	X	X	X	X	X	X																		N(1.5'-2')
TB08/05	"					X		1	X	X																								Trip Blank	

Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush		Date: <u>8/17/05</u> Time: <u>1500</u>		Received by: _____		Date: <u>8/17/05</u> Time: <u>1550</u>	
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)							
Date results are needed: _____							
Rush results requested by (please circle): Fax Email		Date: <u>8/17/05</u> Time: <u>17:42</u>		Received by: _____		Date: _____ Time: _____	
Fax #: _____ Email address: _____							

Data Package Options (please circle if required)		SDG Complete? Yes No		Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____	
QC Summary											
Type I (Tier I)											
Type II (Tier II)											
Type III (NJ Reduced Del.)											
Type IV (CLP)											
Type VI (Raw Data)											
GLP											
Other											

Site specific QC required? Yes No		Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____	
(If yes, indicate QC sample and submit triplicate volume.)									
Internal chain of custody required? Yes No									



955813/4595866-82

Group No.: 955791

Sample Nos.: 459, 580, 420

Acc't No.: 11549

**SCR No.:**

Cooler temperature upon receipt: 2.0-5.2°C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix		Analyses Requested										Remarks:												
Project Manager: <u>[REDACTED]</u>		Quote #: <u>          </u>																										
Project Name/#: <u>Former Metro Container Investigation</u>																												
Sampler: <u>[REDACTED]</u>																												
P.O. #: <u>                    </u>																												
Name of state where samples were collected: <u>PA</u>																												
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture										
05-MET-059		[REDACTED]	855	/		/			4	X																		N (17-17.5)
05-MET-026			940	/		/				X																		N (3.5-4.2)
05-MET-068			1350	/		/				X																		N (15-15.5)
05-MET-069			1445	/		/				X																		N (15-15.5)
05-MET-0265			955	/		/				X																		N (1.5-2.0)
05-MET-059V		↓	900	/		/				X																		N (22.5-23)
TB081705W		↓		/		/				X	X																	TB

**Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300**

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR102097

955813/4585866-82

**For Lancaster Laboratories use only**

**Group No.:**

955791

**Sample Nos.:**

4585304-28

Acc't No.:

11549

SCR No.:

Cooler temperature upon receipt: 2.6-5.2 °C

[illegible]

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 955813. Samples arrived at the laboratory on Wednesday, August 17, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
TB081705W Trip Blank Water Sample	4585866
05-MET-002 Grab Water Sample	4585867
05-MET-002 Filtered Grab Water Sample	4585868
05-MET-130 Grab Water Sample	4585869
05-MET-130 Filtered Grab Water Sample	4585870
05-MET-059 Grab Water Sample	4585871
05-MET-059 Filtered Grab Water Sample	4585872
05-MET-026 Grab Water Sample	4585873
05-MET-026 Filtered Grab Water Sample	4585874
05-MET-076 Grab Water Sample	4585875
05-MET-080 Grab Water Sample	4585876
05-MET-080 Filtered Grab Water Sample	4585877
05-MET-079 Grab Water Sample	4585878
05-MET-079 Filtered Grab Water Sample	4585879
05-MET-079A Grab Water Sample	4585880
05-MET-079A Filtered Grab Water Sample	4585881
EB081705W Equipment Blank Grab Water Sample	4585882

1 COPY TO      Montgomery Watson Harza

Attn: [REDACTED]

Questions? Contact your Client Services Representative

[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Manager



**Lancaster Laboratories Sample No. WW 4585866**

**TB081705W Trip Blank Water Sample  
TB  
Former Metro Container Investigation**

Collected: 08/17/2005

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 08/26/2005 at 16:42  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WTB17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102102

Lancaster Laboratories Sample No. WW 4585866

TB081705W Trip Blank Water Sample  
TB  
Former Metro Container Investigation

Collected: 08/17/2005

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 08/26/2005 at 16:42  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WTB17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search  
The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/24/2005 09:53		1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 04:24		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 04:24		n.a.
07786	EDB Extraction	SW-846 8011	1	08/19/2005 13:00		1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4585866  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP09915.i/05aug18c.b/lg16s10.d  
 Level: (low/med) LOW      Date Received: 08/17/05  
 % Moisture: not dec.      Date Analyzed: 08/19/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102104

Lancaster Laboratories Sample No. WW 4585867

05-MET-002 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:42

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M02--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	1.2	0.31	1.0	ug/l	5
07022	Thallium	7440-28-0	12.6 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	59.0	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	19.2 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	7.5 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	9.4	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	9.0	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	487.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	312.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	444.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	585.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	708.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	12. J	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.10	0.50	ug/l	5
01601	Beta BHC	319-85-7	N.D.	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.10	0.50	ug/l	5
01603	Delta BHC	319-86-8	N.D.	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.10	0.50	ug/l	5
01605	Aldrin	309-00-2	N.D.	0.25	1.0	ug/l	5
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.10	0.50	ug/l	5
01607	p,p-DDE	72-55-9	N.D.	1.7	1.7	ug/l	5
01608	p,p-DDD	72-54-8	N.D.	0.30	1.0	ug/l	5
01609	p,p-DDT	50-29-3	N.D.	0.30	1.0	ug/l	5
01610	Dieldrin	60-57-1	N.D.	0.76	1.5	ug/l	5
01611	Endrin	72-20-8	N.D.	0.20	1.0	ug/l	5
01612	Chlordane	57-74-9	N.D.	3.5	25.	ug/l	5
01613	Toxaphene	8001-35-2	N.D.	15.	50.	ug/l	5
01615	Endosulfan II	33213-65-9	N.D.	0.20	1.0	ug/l	5
01616	Endosulfan I	959-98-8	N.D.	0.10	0.50	ug/l	5
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.30	1.0	ug/l	5
01618	Endrin Aldehyde	7421-93-4	N.D.	1.2	5.0	ug/l	5
01619	PCB-1016	12674-11-2	N.D.	5.0	25.	ug/l	5
01620	PCB-1221	11104-28-2	N.D.	5.5	25.	ug/l	5
01621	PCB-1232	11141-16-5	N.D.	5.0	25.	ug/l	5
01622	PCB-1242	53469-21-9	N.D.	5.0	25.	ug/l	5

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 4585867**
**05-MET-002 Grab Water Sample**
**N(0-12)**
**Former Metro Container Investigation**

Collected: 08/17/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:42

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M02--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	9.3 J	5.0	25.	ug/l	5
01624	PCB-1254	11097-69-1	19. J	7.0	25.	ug/l	5
01626	PCB-1260	11096-82-5	14. J	5.0	25.	ug/l	5
01860	Methoxychlor	72-43-5	N.D.	1.5	5.0	ug/l	5
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and dieldrin.							
Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	0.9	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	0.9	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	0.9	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	0.9	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	0.9	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	9.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	0.9	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	0.9	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	0.9	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	9.	28.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.9	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	0.9	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	0.9	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	0.9	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.9	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	0.9	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.9	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	0.9	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102106

**Lancaster Laboratories Sample No. WW 4585867**
**05-MET-002 Grab Water Sample**
**N(0-12)**
**Former Metro Container Investigation**

Collected: 08/17/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:42

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M02--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03944	Isophorone	78-59-1	N.D.	0.9	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.9	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.9	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	0.9	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	0.9	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	0.9	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	0.9	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	0.9	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	0.9	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	0.9	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	0.9	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.9	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	0.9	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	0.9	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	0.9	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	0.9	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	0.9	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	0.9	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	0.9	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	0.9	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	0.9	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	0.9	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	0.9	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	0.9	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.9	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	0.9	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	0.9	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102107

Lancaster Laboratories Sample No. WW 4585867

05-MET-002 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:42

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M02--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR102108

Lancaster Laboratories Sample No. WW 4585867

05-MET-002 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 07:30

by

Account Number: 11549

Submitted: 08/17/2005 17:42

Montgomery Watson Harza

Reported: 08/26/2005 at 16:42

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

M02--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/23/2005 08:59		5
07022	Thallium	SW-846 6010B	1	08/19/2005 17:15		1
07035	Arsenic	SW-846 6010B	1	08/19/2005 17:15		1
07036	Selenium	SW-846 6010B	2	08/22/2005 19:26		1
07044	Antimony	SW-846 6010B	1	08/19/2005 17:15		1
07047	Beryllium	SW-846 6010B	1	08/19/2005 17:15		1
07049	Cadmium	SW-846 6010B	1	08/19/2005 17:15		1
07051	Chromium	SW-846 6010B	1	08/19/2005 17:15		1
07053	Copper	SW-846 6010B	1	08/19/2005 17:15		1
07055	Lead	SW-846 6010B	1	08/19/2005 17:15		1
07061	Nickel	SW-846 6010B	1	08/19/2005 17:15		1
07066	Silver	SW-846 6010B	1	08/19/2005 17:15		1
07072	Zinc	SW-846 6010B	2	08/22/2005 19:26		1
02393	Phenols	SW-846 9066	1	08/25/2005 14:45		1
08255	Total Cyanide	SW-846 9012A	1	08/23/2005 13:08		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/22/2005 00:41		5
07879	EDB	SW-846 8011	1	08/24/2005 10:23		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/20/2005 17:30		1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 04:46		1
00813	BNA Water Extraction	SW-846 3510C	1	08/18/2005 15:30		1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/18/2005 22:45		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 04:46		n.a.

\*=This limit was used in the evaluation of the final result

AR102109



**Lancaster Laboratories Sample No. WW 4585867**

**05-MET-002 Grab Water Sample**

**N(0-12)**

**Former Metro Container Investigation**

Collected: 08/17/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:42

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M02--

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/22/2005 19:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/19/2005 13:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/24/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/22/2005 14:20	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! M02-- !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4585867	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09915.i/05aug18c.b/lg16s11.d	
% Moisture: not dec.	Date Received: 08/17/05	
Column: (pack/cap) CAP	Date Analyzed: 08/19/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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9.				
10.				
11.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102111

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4585867  
 Sample wt/vol: 1055 (g/mL) mL Lab File ID: oh0695.d  
 Level: (low/med) LOW Date Received: 08/17/05  
 % Moisture:              Decanted: (Y/N)              Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/20/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 2 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	7.938	4	J
2.	Unknown	8.719	4	J
3.				
4.				
5.				
6.				
7.				
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29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102112



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4585868

05-MET-002 Filtered Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/17/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 08/26/2005 at 16:42  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F02--

CAT No.	Analysis Name	CAS Number	As Received Result		As Received	As Received	Units	Dilution Factor
					Method	Limit of		
					Detection Limit*	Quantitation		
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.0	J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	11.3		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	5.4	J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/23/2005 09:03	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 17:20	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/19/2005 17:20	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005 19:31	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/19/2005 17:20	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/19/2005 17:20	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 17:20	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/19/2005 17:20	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005 17:20	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/19/2005 17:20	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/19/2005 17:20	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/19/2005 17:20	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/22/2005 19:31	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/22/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102113

**Lancaster Laboratories Sample No. WW 4585869**

**05-MET-130 Grab Water Sample**

**N(0-15)**

**Former Metro Container Investigation**

Collected: 08/17/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:43

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M130-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	7.1	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	17.8 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	70.7	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	17.5 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	12.4 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	2.7 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	15.0	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	255.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	710.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	1,690.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	232.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	2,200.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	14. J	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	2.3	2.3	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	5.1	5.1	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102114

**Lancaster Laboratories Sample No. WW 4585869**
**05-MET-130 Grab Water Sample**
**N(0-15)**
**Former Metro Container Investigation**

Collected: 08/17/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:43

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M130-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	19. J	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	32. J	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	24. J	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
<p>Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.</p> <p>Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.</p> <p>Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, and 4,4'-DDT.</p> <p>Despite cleanup methods, we were unable to reach our usual reporting limits.</p>							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0091	0.027	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102115

**Lancaster Laboratories Sample No. WW 4585869**
**05-MET-130 Grab Water Sample**
**N(0-15)**
**Former Metro Container Investigation**

Collected: 08/17/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:43

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M130-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	12. J	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	72.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	24. J	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	130.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	130.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	23. J	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	73.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	79.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	110.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	130.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	130.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	76.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	51.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	20. J	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	67.	10.	50.	ug/l	1

The recovery of 1,2-diphenylhydrazine was above QC limits in the LCSD. Since

\*=This limit was used in the evaluation of the final result

AR102116

Lancaster Laboratories Sample No. WW 4585869

05-MET-130 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/17/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:43

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M130-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
	1,2-diphenylhydrazine was not detected in the sample, no further action was taken.						
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102117



Lancaster Laboratories Sample No. WW 4585869

05-MET-130 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/17/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:43

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M130-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/23/2005 09:05	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/19/2005 17:24	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/19/2005 17:24	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005 19:36	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/19/2005 17:24	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/19/2005 17:24	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 17:24	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/19/2005 17:24	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005 17:24	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/19/2005 17:24	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/19/2005 17:24	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/19/2005 17:24	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/22/2005 19:36	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/23/2005 13:34	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:11	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/22/2005 01:02	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/24/2005 11:23	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102118

**Lancaster Laboratories Sample No. WW 4585869**

**05-MET-130 Grab Water Sample**

**N(0-15)**

**Former Metro Container Investigation**

Collected: 08/17/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:43

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M130-

04678	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 14:51	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 05:10	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	2	08/23/2005 16:45	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/18/2005 22:45	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 05:10	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/22/2005 19:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/19/2005 13:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/20/2005 03:15	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/23/2005 14:55	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4585869	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP09915.i/05aug18c.b/lg16s12.d	
Level: (low/med) LOW	Date Received: 08/17/05	
% Moisture: not dec.	Date Analyzed: 08/19/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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21.				
22.				
23.				
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25.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102120

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4585869  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0829.d  
 Level: (low/med) LOW Date Received: 08/17/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	7.358	110	J
2.10544-50-0	!Cyclic octaatomic sulfur	8.720	1600	J
3.	!Unknown Carboxylic Acid	8.816	220	J
4.	!Unknown Alkane	9.035	200	J
5.	!Unknown	9.132	140	J
6.	!Unknown	9.238	150	J
7.	!Unknown	9.276	140	J
8.	!Unknown Alkane	9.351	110	J
9.	!Unknown Alkane	9.538	140	J
10.	!Unknown Alkane	9.570	60	J
11.	!Unknown	9.655	77	J
12.	!Unknown	9.709	95	J
13.	!Unknown	9.757	48	J
14.	!Unknown	9.970	110	J
15.	!Unknown Alkane	10.072	230	J
16.	!Unknown	10.163	79	J
17.	!Unknown Alkane	10.221	170	J
18.	!Unknown	10.275	110	J
19.	!Unknown	10.318	220	J
20.	!Unknown	10.483	87	J
21.	!Unknown	10.537	150	J
22.	!Unknown	10.633	110	J
23.	!Unknown Alkane	10.862	120	J
24.	!Unknown	10.900	160	J
25.	!Unknown	11.044	240	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102121



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4585870

05-MET-130 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/17/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 08/26/2005 at 16:43  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F130-

CAT No.	Analysis Name	CAS Number	As Received Result		As Received	As Received	Units	Dilution Factor
					Method	Limit of		
					Detection Limit*	Quantitation		
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	2.3	J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	5.0	J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	32.9		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	146.		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/23/2005 09:06	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 17:29	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/19/2005 17:29	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005 19:41	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/19/2005 17:29	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/19/2005 17:29	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 17:29	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/19/2005 17:29	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005 17:29	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/19/2005 17:29	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/19/2005 17:29	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/19/2005 17:29	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/22/2005 19:41	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/22/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102122

Lancaster Laboratories Sample No. WW 4585871

05-MET-059 Grab Water Sample

N(5-20)

Former Metro Container Investigation

Collected: 08/17/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:43

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

0559-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	16.2	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	306.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	1,170.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	1,000.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	27.9	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	306.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	125.	0.97	5.0	ug/l	5
07051	Chromium	7440-47-3	13,300.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	6,880.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	4,950.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	5,790.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	26,000.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	40.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599 PPL Pesticides + Methoxychlor							
01600	Alpha BHC	319-84-6	N.D.	0.80	4.0	ug/l	40
01601	Beta BHC	319-85-7	N.D.	4.8	16.	ug/l	40
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.80	4.0	ug/l	40
01603	Delta BHC	319-86-8	N.D.	1.5	4.0	ug/l	40
01604	Heptachlor	76-44-8	N.D.	0.80	4.0	ug/l	40
01605	Aldrin	309-00-2	N.D.	2.0	8.0	ug/l	40
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.80	4.0	ug/l	40
01607	p,p-DDE	72-55-9	N.D.	1.6	8.0	ug/l	40
01608	p,p-DDD	72-54-8	N.D.	2.4	8.0	ug/l	40
01609	p,p-DDT	50-29-3	N.D.	2.4	8.0	ug/l	40
01610	Dieldrin	60-57-1	N.D.	4.0	12.	ug/l	40
01611	Endrin	72-20-8	N.D.	1.6	8.0	ug/l	40
01612	Chlordane	57-74-9	N.D.	28.	200.	ug/l	40
01613	Toxaphene	8001-35-2	N.D.	120.	400.	ug/l	40
01615	Endosulfan II	33213-65-9	N.D.	1.6	8.0	ug/l	40
01616	Endosulfan I	959-98-8	N.D.	0.80	4.0	ug/l	40
01617	Endosulfan Sulfate	1031-07-8	N.D.	2.4	8.0	ug/l	40
01618	Endrin Aldehyde	7421-93-4	N.D.	9.2	40.	ug/l	40
01619	PCB-1016	12674-11-2	N.D.	40.	200.	ug/l	40
01620	PCB-1221	11104-28-2	N.D.	44.	200.	ug/l	40
01621	PCB-1232	11141-16-5	N.D.	40.	200.	ug/l	40
01622	PCB-1242	53469-21-9	N.D.	40.	200.	ug/l	40

\*=This limit was used in the evaluation of the final result

AR102123

**Lancaster Laboratories Sample No. WW 4585871**
**05-MET-059 Grab Water Sample**
**N(5-20)**
**Former Metro Container Investigation**

Collected: 08/17/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:43

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

0559-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	40.	200.	ug/l	40
01624	PCB-1254	11097-69-1	N.D.	56.	200.	ug/l	40
01626	PCB-1260	11096-82-5	N.D.	40.	200.	ug/l	40
01860	Methoxychlor	72-43-5	N.D.	12.	40.	ug/l	40
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly. Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly. Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	20.	100.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	2,000.	20.	100.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	20.	100.	ug/l	1
03925	Phenol	108-95-2	N.D.	20.	100.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	20.	100.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	60.	200.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	20.	100.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	20.	100.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	20.	100.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	400.	1,200.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	200.	600.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	100.	300.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	60.	300.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	40.	100.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	20.	100.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	20.	100.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	20.	100.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	20.	100.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	20.	100.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	20.	100.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20.	100.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	20.	100.	ug/l	1
03944	Isophorone	78-59-1	N.D.	20.	100.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102124

Lancaster Laboratories Sample No. WW 4585871

05-MET-059 Grab Water Sample

N(5-20)

Former Metro Container Investigation

Collected: 08/17/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:43

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

0559-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	20.	100.	ug/l	1
03947	Naphthalene	91-20-3	230.	20.	100.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	20.	100.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	100.	300.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	28. J	20.	100.	ug/l	1
03951	Acenaphthylene	208-96-8	100.	20.	100.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	40.	100.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	20.	100.	ug/l	1
03954	Acenaphthene	83-32-9	580.	20.	100.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	20.	100.	ug/l	1
03956	Fluorene	86-73-7	480.	20.	100.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20.	100.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	40.	100.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	20.	100.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	40.	100.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	20.	100.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	20.	100.	ug/l	1
03963	Phenanthrene	85-01-8	3,300.	100.	500.	ug/l	5
03964	Anthracene	120-12-7	1,700.	20.	100.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	40.	100.	ug/l	1
03966	Fluoranthene	206-44-0	290.	20.	100.	ug/l	1
03967	Pyrene	129-00-0	4,100.	100.	500.	ug/l	5
03968	Benzidine	92-87-5	N.D.	400.	1,200.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	40.	100.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	3,800.	100.	500.	ug/l	5
03971	Chrysene	218-01-9	3,800.	100.	500.	ug/l	5
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	40.	100.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	40.	100.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	40.	100.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	880.	20.	100.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	20.	100.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	2,100.	20.	100.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	990.	20.	100.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	710.	20.	100.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	2,000.	20.	100.	ug/l	1

The recovery of 1,2-diphenylhydrazine was above QC limits in the LCSD. Since 1,2-diphenylhydrazine was not detected in the sample, no further action was taken.

\*=This limit was used in the evaluation of the final result

AR102125



**Lancaster Laboratories Sample No. WW 4585871**
**05-MET-059 Grab Water Sample**
**N(5-20)**
**Former Metro Container Investigation**

Collected: 08/17/2005 10:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42

Montgomery Watson Harza

Reported: 08/26/2005 at 16:43

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

0559-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	2. J	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	60.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	6.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	2. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102126

**Lancaster Laboratories Sample No. WW 4585871**
**05-MET-059 Grab Water Sample**
**N(5-20)**
**Former Metro Container Investigation**

Collected: 08/17/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:43

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

0559-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	48.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

Due to the sample matrix the pH of the metals container could not be adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/23/2005 09:08	[REDACTED]	10
07022	Thallium	SW-846 6010B	2	08/22/2005 19:50	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/22/2005 19:50	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005 19:50	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/22/2005 19:50	[REDACTED]	1
07047	Beryllium	SW-846 6010B	2	08/22/2005 19:50	[REDACTED]	1
07049	Cadmium	SW-846 6010B	2	08/22/2005 19:45	[REDACTED]	5
07051	Chromium	SW-846 6010B	2	08/22/2005 19:50	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005 17:34	[REDACTED]	1
07055	Lead	SW-846 6010B	2	08/22/2005 19:50	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102127

Lancaster Laboratories Sample No. WW 4585871

05-MET-059 Grab Water Sample

N(5-20)

Former Metro Container Investigation

Collected: 08/17/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:43

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

0559-							
07061	Nickel	SW-846 6010B	2	08/22/2005 19:50		1	
07066	Silver	SW-846 6010B	2	08/22/2005 19:50		1	
07072	Zinc	SW-846 6010B	2	08/22/2005 19:50		1	
02393	Phenols	SW846 9066	1	08/23/2005 13:35		1	
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:15		1	
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/22/2005 01:22		40	
07879	EDB	SW-846 8011	1	08/24/2005 11:54		1	
04678	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 15:12		1	
04678	PPL Semivolatiles	SW-846 8270C	1	08/26/2005 11:45		5	
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 05:32		1	
00813	BNA Water Extraction	SW-846 3510C	2	08/23/2005 16:45		1	
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/18/2005 22:45		1	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 05:32		n.a.	
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20		1	
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/22/2005 19:00		1	
07786	EDB Extraction	SW-846 8011	1	08/19/2005 13:00		1	
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/20/2005 03:15		1	
08256	Cyanide Water Distillation	SW-846 9012A	1	08/23/2005 14:55		1	

\*=This limit was used in the evaluation of the final result

AR102128

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4585871  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug18c.b/lg16s13.d  
 Level: (low/med) LOW Date Received: 08/17/05  
 % Moisture: not dec. Date Analyzed: 08/19/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.68	37	J
2.	!Unknown aromatic	13.14	42	J
3.	!Unknown aromatic	13.55	27	J
4.	!Unknown aromatic	13.66	26	J
5.	!Unknown aromatic	13.95	28	J
6.	!Unknown aromatic	14.07	80	J
7.	!Unknown aromatic	14.37	54	J
8.	!Unknown aromatic	14.63	26	J
9.	!Unknown aromatic	14.72	34	J
10.	!Unknown aromatic	14.84	39	J
11.	!Unknown aromatic	14.93	26	J
12.	!Unknown aromatic	14.99	35	J
13.	!Unknown alicyclic	15.08	25	J
14.	!Unknown aromatic	15.22	27	J
15.	!Unknown aromatic	15.39	46	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102129

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4585871  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0830.d  
 Level: (low/med) LOW Date Received: 08/17/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Cycloalkane	4.089	6500	J
2.	!Unknown Alkane	5.408	1000	J
3.	!Unknown Cycloalkane	5.798	3500	J
4.	!Unknown Cycloalkane	6.279	4200	J
5.	!Unknown	6.973	3400	J
6.	!Unknown Alkane	7.064	3900	J
7.	!Unknown Alkane	7.289	760	J
8.	!Unknown Alkane	7.438	810	J
9.	!Unknown Alkane	7.796	860	J
10.	!Unknown Alkane	7.967	920	J
11.	!Anthracene, 2-methyl-	8.138	1200	JX
12.	!1H-Indene, 2-phenyl-	8.218	810	JX
13.	!Unknown	8.474	880	J
14.	!Unknown Cycloalkane	8.619	1100	J
15.	!Unknown Alkane	8.672	890	J
16.	!Unknown Alkane	8.987	1000	J
17.	!Unknown Alkane	9.319	1100	J
18.	!Unknown Alkane	9.847	1200	J
19.	!Unknown Alkane	10.120	1000	J
20.	!Unknown Alkane	10.269	1500	J
21.	!Unknown Alkane	10.392	930	J
22.	!Unknown Alkane	10.472	1200	J
23.	!Unknown	10.563	1500	J
24.	!Unknown Alkane	10.654	1200	J
25.	!Unknown Alkane	10.911	1100	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102130



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4585872

05-MET-059 Filtered Grab Water Sample  
N(5-20)  
Former Metro Container Investigation

Collected: 08/17/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 08/26/2005 at 16:44  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F059-

CAT No.	Analysis Name	CAS Number	As Received Result		As Received	As Received	Units	Dilution Factor
					Method	Limit of		
					Detection Limit*	Quantitation		
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.6	J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	23.4		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	6.1	J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/23/2005 09:09	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 17:38	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/19/2005 17:38	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005 19:55	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/19/2005 17:38	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/19/2005 17:38	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 17:38	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/19/2005 17:38	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005 17:38	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/19/2005 17:38	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/19/2005 17:38	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/19/2005 17:38	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/22/2005 19:55	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/22/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102131

Lancaster Laboratories Sample No. WW 4585873

05-MET-026 Grab Water Sample

N(0-10)

Former Metro Container Investigation

Collected: 08/17/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:44

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M026-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	0.89 J	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	32.9	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	2.3 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	2.8 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	71.7	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	43.3	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	139.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	54.8	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	714.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	55.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.40	2.0	ug/l	20
01601	Beta BHC	319-85-7	N.D.	2.4	8.0	ug/l	20
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.40	2.0	ug/l	20
01603	Delta BHC	319-86-8	N.D.	0.76	2.0	ug/l	20
01604	Heptachlor	76-44-8	N.D.	0.40	2.0	ug/l	20
01605	Aldrin	309-00-2	N.D.	1.0	4.0	ug/l	20
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.40	2.0	ug/l	20
01607	p,p-DDE	72-55-9	0.97 J	0.80	4.0	ug/l	20
01608	p,p-DDD	72-54-8	N.D.	1.2	4.0	ug/l	20
01609	p,p-DDT	50-29-3	N.D.	1.2	4.0	ug/l	20
01610	Dieldrin	60-57-1	N.D.	2.0	6.0	ug/l	20
01611	Endrin	72-20-8	N.D.	0.80	4.0	ug/l	20
01612	Chlordane	57-74-9	N.D.	14.	100.	ug/l	20
01613	Toxaphene	8001-35-2	N.D.	60.	200.	ug/l	20
01615	Endosulfan II	33213-65-9	0.81 J	0.80	4.0	ug/l	20
01616	Endosulfan I	959-98-8	N.D.	0.40	2.0	ug/l	20
01617	Endosulfan Sulfate	1031-07-8	N.D.	1.2	4.0	ug/l	20
01618	Endrin Aldehyde	7421-93-4	N.D.	4.6	20.	ug/l	20
01619	PCB-1016	12674-11-2	N.D.	20.	100.	ug/l	20
01620	PCB-1221	11104-28-2	N.D.	22.	100.	ug/l	20
01621	PCB-1232	11141-16-5	N.D.	20.	100.	ug/l	20
01622	PCB-1242	53469-21-9	N.D.	20.	100.	ug/l	20

\*=This limit was used in the evaluation of the final result

AR102132

Lancaster Laboratories Sample No. WW 4585873

05-MET-026 Grab Water Sample

N(0-10)

Former Metro Container Investigation

Collected: 08/17/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:44

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M026-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	20.	100.	ug/l	20
01624	PCB-1254	11097-69-1	N.D.	28.	100.	ug/l	20
01626	PCB-1260	11096-82-5	N.D.	20.	100.	ug/l	20
01860	Methoxychlor	72-43-5	N.D.	6.0	20.	ug/l	20
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							
Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	0.9	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	14.	0.9	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	0.9	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	0.9	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	0.9	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	21.	3.	9.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	0.9	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	0.9	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	0.9	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	9.	28.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.9	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	0.9	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	0.9	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	0.9	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.9	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	0.9	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.9	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	0.9	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	0.9	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.9	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102133



Lancaster Laboratories Sample No. WW 4585873

05-MET-026 Grab Water Sample

N(0-10)

Former Metro Container Investigation

Collected: 08/17/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:44

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M026-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.9	5.	ug/l	1
03947	Naphthalene	91-20-3	2. J	0.9	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	0.9	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	0.9	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	0.9	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	0.9	5.	ug/l	1
03954	Acenaphthene	83-32-9	4. J	0.9	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	0.9	5.	ug/l	1
03956	Fluorene	86-73-7	4. J	0.9	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.9	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	0.9	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	0.9	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	0.9	5.	ug/l	1
03963	Phenanthrene	85-01-8	14.	0.9	5.	ug/l	1
03964	Anthracene	120-12-7	3. J	0.9	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	2. J	0.9	5.	ug/l	1
03967	Pyrene	129-00-0	14.	0.9	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	9.	0.9	5.	ug/l	1
03971	Chrysene	218-01-9	12.	0.9	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	4. J	0.9	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	0.9	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	8.	0.9	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	3. J	0.9	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	3. J	0.9	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	8.	0.9	5.	ug/l	1
07582	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR102134

**Lancaster Laboratories Sample No. WW 4585873**
**05-MET-026 Grab Water Sample**
**N(0-10)**
**Former Metro Container Investigation**

Collected: 08/17/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:44

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M026-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	0.8 J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	3. J	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR102135

Lancaster Laboratories Sample No. WW 4585873

05-MET-026 Grab Water Sample

N(0-10)

Former Metro Container Investigation

Collected: 08/17/2005 10:30

by

Account Number: 11549

Submitted: 08/17/2005 17:42

Montgomery Watson Harza

Reported: 08/26/2005 at 16:44

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

M026-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/23/2005 09:10		10
07022	Thallium	SW-846 6010B	1	08/19/2005 17:43		1
07035	Arsenic	SW-846 6010B	1	08/19/2005 17:43		1
07036	Selenium	SW-846 6010B	2	08/22/2005 20:00		1
07044	Antimony	SW-846 6010B	1	08/19/2005 17:43		1
07047	Beryllium	SW-846 6010B	1	08/19/2005 17:43		1
07049	Cadmium	SW-846 6010B	1	08/19/2005 17:43		1
07051	Chromium	SW-846 6010B	1	08/19/2005 17:43		1
07053	Copper	SW-846 6010B	1	08/19/2005 17:43		1
07055	Lead	SW-846 6010B	1	08/19/2005 17:43		1
07061	Nickel	SW-846 6010B	1	08/19/2005 17:43		1
07066	Silver	SW-846 6010B	1	08/19/2005 17:43		1
07072	Zinc	SW-846 6010B	2	08/22/2005 20:00		1
02393	Phenols	SW846 9066	1	08/25/2005 14:46		1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:16		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/22/2005 01:43		20
07879	EDB	SW-846 8011	1	08/24/2005 12:24		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/22/2005 12:06		1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 05:54		1
00813	BNA Water Extraction	SW-846 3510C	1	08/18/2005 15:30		1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/18/2005 22:45		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 05:54		n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20		1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/22/2005 19:00		1

\*=This limit was used in the evaluation of the final result

AR102136

**Lancaster Laboratories Sample No. WW 4585873****05-MET-026 Grab Water Sample****N(0-10)****Former Metro Container Investigation**

Collected: 08/17/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:44

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M026-

07786	EDB Extraction	SW-846 8011
08123	Phenol Distillation (SW-846)	SW-846 9065
08256	Cyanide Water Distillation	SW-846 9012A

1	08/19/2005 13:00	[REDACTED]	1
1	08/24/2005 14:20	[REDACTED]	1
1	08/23/2005 14:55	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4585873  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug18c.b/lg16s14.d  
 Level: (low/med) LOW Date Received: 08/17/05  
 % Moisture: not dec. Date Analyzed: 08/19/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 14

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	13.14	11	J
2.	!Unknown aromatic	13.55	10	J
3.	!Unknown aromatic	13.95	8	J
4.	!Unknown aromatic	14.06	26	J
5.	!Unknown aromatic	14.27	8	J
6.	!Unknown aromatic	14.37	18	J
7.	!Unknown aromatic	14.59	6	J
8.	!Unknown aromatic	14.64	6	J
9.	!Unknown aromatic	14.72	9	J
10.	!Unknown aromatic	14.84	12	J
11.	!Unknown aromatic	14.99	13	J
12.	!Unknown aromatic	15.08	7	J
13.	!Unknown aromatic	15.22	8	J
14.	!Unknown aromatic	15.39	19	J
15.				
16.				
17.				
18.				
19.				
20.				
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24.				
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26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102138

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4585873  
 Sample wt/vol: 1056 (g/mL) mL Lab File ID: oh0720.d  
 Level: (low/med) LOW Date Received: 08/17/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.753	17	J
2.	!Unknown	3.276	11	J
3.106-44-5	!Phenol, 4-methyl-	4.856	22	J
4.	!Unknown	5.846	11	J
5.	!Unknown	5.951	17	J
6.	!1H-Indene, 2,3-dihydro-4,7-d	6.104	15	JX
7.	!Unknown	6.682	15	J
8.	!Naphthalene, 2,6-dimethyl-	6.793	40	JX
9.	!Naphthalene, 1,4,6-trimethyl	7.285	35	JX
10.	!Naphthalene, 1,4,5-trimethyl	7.426	32	JX
11.	!Unknown	7.617	42	J
12.	!Unknown	8.029	39	J
13.	!Unknown Alkane	8.232	49	J
14.	!Unknown	8.607	44	J
15.	!Phenanthrene, 1-methyl-	8.773	34	JX
16.	!Anthracene, 2-methyl-	8.865	13	JX
17.	!Unknown	8.945	12	J
18.	!Phenanthrene, 2,7-dimethyl-	9.154	32	JX
19.	!Unknown	9.480	22	J
20.	!Unknown	9.726	38	J
21.	!Unknown Alkane	9.849	35	J
22.	!Pyrene, 2-methyl-	10.021	32	JX
23.	!Benz[a]anthracene, 1-methyl-	10.937	15	JX
24.	!Benzo[c]phenanthrene, 1,12-d	11.331	13	JX
25.	!Benzo[k]fluoranthene	11.829	15	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102139



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4585874

05-MET-026 Filtered Grab Water Sample  
N(0-10)  
Former Metro Container Investigation

Collected: 08/17/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 08/26/2005 at 16:45  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F026-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.7 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	12.7	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	32.7	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
00259	Mercury	SW-846 7470A	1	08/23/2005	09:12	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005	17:48	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/19/2005	17:48	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005	20:05	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/19/2005	17:48	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/19/2005	17:48	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005	17:48	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/19/2005	17:48	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005	17:48	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/19/2005	17:48	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/19/2005	17:48	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/19/2005	17:48	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/22/2005	20:05	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005	21:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/22/2005	19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102140

Lancaster Laboratories Sample No. WW 4585875

05-MET-076 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:45

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M076-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0086	0.026	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	5. J	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102141



Lancaster Laboratories Sample No. WW 4585875

05-MET-076 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 12:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Montgomery Watson Harza

Reported: 08/26/2005 at 16:45

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

M076-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/24/2005 12:54	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 06:18	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 06:18	[REDACTED]	n.a.
07786	EDB Extraction	SW-846 8011	1	08/19/2005 13:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! M076- !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4585875	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09915.i/05aug18c.b/lg16s15.d	
% Moisture: not dec.	Date Received: 08/17/05	
Column: (pack/cap) CAP	Date Analyzed: 08/19/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	13.40	9	J
2.				
3.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102143

Lancaster Laboratories Sample No. WW 4585876

05-MET-080 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 13:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:45

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M080-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	3.4	0.31	1.0	ug/l	5
07022	Thallium	7440-28-0	18.5 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	985.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	15.2 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	33.0	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	10.8	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	28.3	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	338.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	557.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	5,180.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	435.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	17,100.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	78.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.33	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.66	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	2.6	2.6	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	2.8	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102144

Lancaster Laboratories Sample No. WW 4585876

05-MET-080 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 13:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:45

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M080-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	53.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	78.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	51.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for alpha-BHC, delta-BHC, 4,4'-DDE, and dieldrin.							
Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0094	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	4. J	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	1. J	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	58.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	15.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102145

Lancaster Laboratories Sample No. WW 4585876

05-MET-080 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 13:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:45

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M080-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	1. J	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	2. J	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	58.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	2. J	1.	5.	ug/l	1
03971	Chrysene	218-01-9	2. J	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	6.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	1. J	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	2. J	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	1. J	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	2. J	1.	5.	ug/l	1
07582	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR102146

Lancaster Laboratories Sample No. WW 4585876

05-MET-080 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 13:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:45

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M080-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	3. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	19.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	2. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR102147

Lancaster Laboratories Sample No. WW 4585876

05-MET-080 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 13:30

by

Account Number: 11549

Submitted: 08/17/2005 17:42

Montgomery Watson Harza

Reported: 08/26/2005 at 16:45

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

M080-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/24/2005 08:43		5
07022	Thallium	SW-846 6010B	1	08/19/2005 17:52		1
07035	Arsenic	SW-846 6010B	1	08/19/2005 17:52		1
07036	Selenium	SW-846 6010B	2	08/22/2005 20:10		1
07044	Antimony	SW-846 6010B	1	08/19/2005 17:52		1
07047	Beryllium	SW-846 6010B	1	08/19/2005 17:52		1
07049	Cadmium	SW-846 6010B	1	08/19/2005 17:52		1
07051	Chromium	SW-846 6010B	1	08/19/2005 17:52		1
07053	Copper	SW-846 6010B	1	08/19/2005 17:52		1
07055	Lead	SW-846 6010B	1	08/19/2005 17:52		1
07061	Nickel	SW-846 6010B	1	08/19/2005 17:52		1
07066	Silver	SW-846 6010B	1	08/19/2005 17:52		1
07072	Zinc	SW-846 6010B	2	08/22/2005 20:10		1
02393	Phenols	SW846 9066	1	08/25/2005 14:47		1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:17		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/22/2005 02:03		10
07879	EDB	SW-846 8011	1	08/24/2005 13:23		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/22/2005 12:28		1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 06:41		1
00813	BNA Water Extraction	SW-846 3510C	1	08/18/2005 15:30		1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/18/2005 22:45		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 06:41		n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20		1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30		1

\*=This limit was used in the evaluation of the final result

AR102148

**Lancaster Laboratories Sample No. WW 4585876****05-MET-080 Grab Water Sample****N(0-12)****Former Metro Container Investigation**

Collected: 08/17/2005 13:30

by

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:45

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M080-

07786	EDB Extraction	SW-846 8011
08123	Phenol Distillation (SW-846)	SW-846 9065
08256	Cyanide Water Distillation	SW-846 9012A

1	08/19/2005 13:00		1
1	08/24/2005 14:20		1
1	08/23/2005 14:55		1



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4585876  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP09915.i/05aug18c.b/lg16s16.d  
 Level: (low/med) LOW      Date Received: 08/17/05  
 % Moisture: not dec.      Date Analyzed: 08/19/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown aromatic	14.85	5	J
2.	Unknown aromatic	14.98	6	J
3.	Unknown aromatic	15.39	7	J
4.				
5.				
6.				
7.				
8.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102150

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4585876  
 Sample wt/vol: 1028 (g/mL) mL Lab File ID: oh0721.d  
 Level: (low/med) LOW Date Received: 08/17/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.526	10	J
2.	!Unknown	3.362	88	J
3.	!Unknown	5.944	17	J
4.	!Unknown	6.578	53	J
5.	!Unknown	8.213	47	J
6.	!Unknown	8.564	37	J
7.	!Unknown	9.160	45	J
8.	!Unknown	9.910	58	J
9.	!Unknown	10.027	34	J
10.	!Unknown	10.242	25	J
11.	!Unknown	10.353	22	J
12.	!Unknown	10.433	26	J
13.	!Unknown	10.820	30	J
14.	!Benz[a]anthracene, 11-methyl	10.937	34	JX
15.	!Unknown	11.054	16	J
16.	!Unknown	11.146	13	J
17.	!Unknown	11.251	10	J
18.	!Unknown	11.324	65	J
19.	!Unknown	11.423	44	J
20.	!Unknown	11.484	46	J
21.	!Unknown	11.607	41	J
22.	!Unknown	11.687	40	J
23.	!Unknown	11.761	20	J
24.	!Unknown	11.822	24	J
25.	!Unknown	12.007	12	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102151

**Lancaster Laboratories Sample No. WW 4585877**
**05-MET-080 Filtered Grab Water Sample  
N(0-12)  
Former Metro Container Investigation**

Collected: 08/17/2005 13:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:46

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

F080-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	23.3	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.6 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/24/2005 08:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07022	Thallium	SW-846 6010B	1	08/19/2005 17:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/19/2005 17:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	2	08/22/2005 20:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/19/2005 17:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/19/2005 17:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 17:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/19/2005 17:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/19/2005 17:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/19/2005 17:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/19/2005 17:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/19/2005 17:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	2	08/22/2005 20:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR102152

**Lancaster Laboratories Sample No. WW 4585878**

**05-MET-079 Grab Water Sample**

**N(0-12)**

**Former Metro Container Investigation**

Collected: 08/17/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:46

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M079-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	6.6	0.31	1.0	ug/l	5
07022	Thallium	7440-28-0	18.7 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	174.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	19.9 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	7.9 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	12.2	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	58.8	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	703.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	966.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	1,580.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	314.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	5,250.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	57.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	1.0	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	3.5	3.5	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	5.7	5.7	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102153

**Lancaster Laboratories Sample No. WW 4585878**
**05-MET-079 Grab Water Sample**
**N(0-12)**
**Former Metro Container Investigation**

Collected: 08/17/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:46

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M079-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	71.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	120.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	150.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly. Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample. Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for delta-BHC, 4,4'-DDE, and dieldrin. Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	1. J	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	58.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	15.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102154

**Lancaster Laboratories Sample No. WW 4585878**
**05-MET-079 Grab Water Sample**
**N(0-12)**
**Former Metro Container Investigation**

Collected: 08/17/2005 14:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:46

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M079-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	58.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	6.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102155

**Lancaster Laboratories Sample No. WW 4585878**
**05-MET-079 Grab Water Sample**
**N(0-12)**
**Former Metro Container Investigation**

Collected: 08/17/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:46

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M079-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	1. J	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	3. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	33.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	1. J	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	5. J	1.	5.	ug/l	1
05401	Benzene	71-43-2	0.6 J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	1. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	1. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	9.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR102156

Lancaster Laboratories Sample No. WW 4585878

05-MET-079 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Montgomery Watson Harza

Reported: 08/26/2005 at 16:46

P.O. Box 7009

Discard: 09/26/2005

Pasadena CA 91109-7009

M079-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/24/2005 08:52	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/19/2005 18:11	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/19/2005 18:11	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005 20:29	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/19/2005 18:11	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/19/2005 18:11	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 18:11	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/19/2005 18:11	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005 18:11	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/19/2005 18:11	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/19/2005 18:11	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/19/2005 18:11	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/22/2005 20:29	[REDACTED]	1
02393	Phenols	SW-846 9066	1	08/25/2005 14:48	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:18	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/22/2005 02:24	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/24/2005 13:54	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/22/2005 12:50	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 07:03	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/18/2005 15:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/18/2005 22:45	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 07:03	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR102157



**Lancaster Laboratories Sample No. WW 4585878****05-MET-079 Grab Water Sample****N(0-12)****Former Metro Container Investigation**

Collected: 08/17/2005 14:00

by

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:46

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M079-

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20		1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30		1
07786	EDB Extraction	SW-846 8011	1	08/19/2005 13:00		1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/24/2005 14:20		1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/23/2005 14:55		1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! M079- !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4585878	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09915.i/05aug18c.b/lg16s17.d	
% Moisture: not dec.	Date Received: 08/17/05	
Column: (pack/cap) CAP	Date Analyzed: 08/19/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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16.				
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18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102159

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4585878  
 Sample wt/vol: 1034 (g/mL) mL Lab File ID: oh0722.d  
 Level: (low/med) LOW Date Received: 08/17/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 24 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.089	6	J
2.	!Unknown	2.458	6	J
3.	!Unknown	5.366	5	J
4.	!Unknown	5.889	11	J
5.	!Unknown	7.008	43	J
6.	!Unknown	7.598	6	J
7.	!Unknown	8.564	5	J
8.	!Unknown	8.963	4	J
9.	!Unknown	9.277	11	J
10.	!Unknown	9.916	6	J
11.	!Unknown	10.353	26	J
12.	!Unknown	10.433	4	J
13.	!Unknown	10.814	6	J
14.	!Unknown	10.943	6	J
15.	!Unknown	11.054	8	J
16.	!Unknown	11.103	4	J
17.	!Unknown	11.146	5	J
18.	!Unknown	11.189	9	J
19.	!Unknown	11.312	8	J
20.	!Unknown	11.429	4	J
21.	!Unknown	11.484	8	J
22.	!Unknown	11.681	6	J
23.	!Unknown	12.609	7	J
24.	!Unknown	13.021	5	J
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102160



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4585879

05-MET-079 Filtered Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/17/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 08/26/2005 at 16:47  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F079-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	7.2 J	1.8		10.0	ug/l	1
07055	Lead	7439-92-1	15.4 J	8.4		20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	18.4 J	5.3		20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/24/2005 08:54	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 18:16	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/19/2005 18:16	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005 20:34	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/19/2005 18:16	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/19/2005 18:16	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 18:16	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/19/2005 18:16	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005 18:16	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/19/2005 18:16	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/19/2005 18:16	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/19/2005 18:16	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/22/2005 20:34	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102161

Lancaster Laboratories Sample No. WW 4585880

05-MET-079A Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:47

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M79A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	10.9	0.31	1.0	ug/l	5
07022	Thallium	7440-28-0	28.1	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	345.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	49.5	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	13.3 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	17.2	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	127.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	1,090.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	1,930.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	3,170.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	496.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	2.5 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	10,200.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	120.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	4.2	4.2	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	6.8	6.8	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.5	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102162

**Lancaster Laboratories Sample No. WW 4585880**
**05-MET-079A Grab Water Sample**
**N(0-12)**
**Former Metro Container Investigation**

Collected: 08/17/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:47

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M79A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	95.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	150.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	180.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
<p>Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.</p> <p>Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.</p> <p>Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, endosulfan I and endrin aldehyde.</p> <p>Despite cleanup methods, we were unable to reach our usual reporting limits.</p>							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	1. J	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	58.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	15.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	1. J	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102163

**Lancaster Laboratories Sample No. WW 4585880**
**05-MET-079A Grab Water Sample**
**N(0-12)**
**Former Metro Container Investigation**

Collected: 08/17/2005 14:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:47

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M79A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	2. J	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	58.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	1. J	1.	5.	ug/l	1
03971	Chrysene	218-01-9	1. J	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	26.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	1. J	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	3. J	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	2. J	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	5. J	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102164

Lancaster Laboratories Sample No. WW 4585880

05-MET-079A Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:47

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M79A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	1. J	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	3. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	34.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	1. J	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	5.	1.	5.	ug/l	1
05401	Benzene	71-43-2	0.6 J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	2. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	2. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	11.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached

\*=This limit was used in the evaluation of the final result

AR102165



Lancaster Laboratories Sample No. WW 4585880

05-MET-079A Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/17/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:47

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M79A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/24/2005 08:55	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/19/2005 18:21	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/19/2005 18:21	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005 20:39	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/19/2005 18:21	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/19/2005 18:21	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 18:21	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/19/2005 18:21	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005 18:21	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/19/2005 18:21	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/19/2005 18:21	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/19/2005 18:21	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/22/2005 20:39	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/25/2005 14:50	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:19	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/22/2005 03:05	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/24/2005 14:24	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/22/2005 13:13	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 07:26	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/18/2005 15:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/18/2005 22:45	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 07:26	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 4585880****05-MET-079A Grab Water Sample****N(0-12)****Former Metro Container Investigation**

Collected: 08/17/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:47

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M79A-

05713 WW SW846 Hg Digest SW-846 7470A

07786 EDB Extraction SW-846 8011

08123 Phenol Distillation (SW-846) SW-846 9065

08256 Cyanide Water Distillation SW-846 9012A

1 08/23/2005 19:30 [REDACTED]

1

1 08/19/2005 13:00 [REDACTED]

1

1 08/24/2005 14:20 [REDACTED]

1

1 08/23/2005 14:55 [REDACTED]

1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4585880  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP09915.i/05aug18c.b/lg16s18.d  
 Level: (low/med) LOW      Date Received: 08/17/05  
 % Moisture: not dec.      Date Analyzed: 08/19/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102168

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4585880  
 Sample wt/vol: 1034 (g/mL) mL Lab File ID: oh0723.d  
 Level: (low/med) LOW Date Received: 08/17/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	3.282	82	J
2.	!Unknown	9.480	26	J
3.	!Unknown	9.910	26	J
4.	!Unknown	10.070	24	J
5.	!Unknown	10.322	31	J
6.	!Unknown	10.427	20	J
7.	!Unknown	10.943	52	J
8.	!Unknown	11.208	14	J
9.	!Unknown	11.312	17	J
10.	!Unknown	11.331	50	J
11.	!Unknown	11.411	15	J
12.	!Unknown	11.441	35	J
13.	!Unknown	11.490	38	J
14.	!Unknown	11.613	28	J
15.	!Unknown	11.693	53	J
16.	!Unknown	11.773	24	J
17.	!Unknown	11.822	27	J
18.	!Unknown	11.915	17	J
19.	!Unknown	12.013	19	J
20.	!Unknown	12.093	20	J
21.	!Unknown	12.167	13	J
22.	!Unknown	12.265	23	J
23.	!Unknown	12.370	13	J
24.	!Unknown	12.450	14	J
25.	!Unknown	12.622	18	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102169



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4585881

05-MET-079A Filtered Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/17/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42  
Reported: 08/26/2005 at 16:47  
Discard: 09/26/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F79A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.5 J		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/24/2005 08:56	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 18:25	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/19/2005 18:25	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005 20:44	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/19/2005 18:25	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/19/2005 18:25	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 18:25	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/19/2005 18:25	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005 18:25	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/19/2005 18:25	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/19/2005 18:25	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/19/2005 18:25	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/22/2005 20:44	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102170

Lancaster Laboratories Sample No. WW 4585882

EB081705W Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/17/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:48

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB817

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.2 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0096	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.038	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0096	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0036	0.0096	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0096	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0096	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0038	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0096	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0038	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.067	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.96	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0038	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0096	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.096	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.096	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.096	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.096	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102171

**Lancaster Laboratories Sample No. WW 4585882**
**EB081705W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/17/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:48

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB817

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.096	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.096	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.096	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	20.	59.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	30.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	15.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102172

**Lancaster Laboratories Sample No. WW 4585882**
**EB081705W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/17/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:48

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB817

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	20.	59.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102173



Lancaster Laboratories Sample No. WW 4585882

EB081705W Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/17/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:48

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB817

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4585882

EB081705W Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/17/2005 15:10

by [REDACTED]

Account Number: 11549

Submitted: 08/17/2005 17:42

Reported: 08/26/2005 at 16:48

Discard: 09/26/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB817

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/24/2005 08:58	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/19/2005 18:30	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/19/2005 18:30	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/22/2005 20:49	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/19/2005 18:30	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/19/2005 18:30	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/19/2005 18:30	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/19/2005 18:30	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/19/2005 18:30	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/19/2005 18:30	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/19/2005 18:30	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/19/2005 18:30	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/22/2005 20:49	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/25/2005 14:53	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:23	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/22/2005 03:46	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/24/2005 14:54	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/22/2005 13:35	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/19/2005 07:48	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/18/2005 15:30	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/18/2005 22:45	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/19/2005 07:48	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/18/2005 21:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/19/2005 13:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/24/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/23/2005 14:55	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102175

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! EB817 !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4585882	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09915.i/05aug18c.b/lg16s19.d	
% Moisture: not dec.	Date Received: 08/17/05	
Column: (pack/cap) CAP	Date Analyzed: 08/19/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102176

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4585882  
 Sample wt/vol: 1010 (g/mL) mL Lab File ID: oh0724.d  
 Level: (low/med) LOW Date Received: 08/17/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/18/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 16 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.126	13	J
2.	!Unknown	5.366	64	J
3.	!Unknown	5.692	5	J
4.	!Unknown	8.570	40	J
5.	!Unknown	9.135	5	J
6.	!Unknown	9.824	4	J
7.	!Unknown	10.162	9	J
8.	!Unknown	10.728	6	J
9.	!Unknown	11.005	25	J
10.	!Unknown	11.066	9	J
11.	!Unknown	11.109	16	J
12.	!Unknown	11.214	15	J
13.	!Unknown	11.281	9	J
14.	!Unknown	11.423	9	J
15.	!Unknown	12.198	6	J
16.	!Unknown	12.868	5	J
17.				
18.				
19.				
20.				
21.				
22.				
23.				
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25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102177

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:48 PM

Group Number: 955813

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 052300007A									
Sample number(s): 4585867, 4585869, 4585871, 4585873, 4585876, 4585878, 4585880, 4585882									
Alpha BHC	N.D.	0.0020	0.010	ug/l	110	110	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	110	110	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	110	110	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	110	110	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	94	98	45-130	4	20
Aldrin	N.D.	0.0050	0.020	ug/l	65	66	47-122	2	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	93	95	73-141	2	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	110	114	44-154	4	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	124	124	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	110	110	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	95	100	71-129	5	20
Endrin	N.D.	0.0040	0.020	ug/l	100	90	62-135	11	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	95	95	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	93	97	66-131	4	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	90	95	56-140	5	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	95	95	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	120	130	49-155	8	20
Batch number: 052300017A									
Sample number(s): 4585866-4585867, 4585869, 4585871, 4585873, 4585875-4585876, 4585878, 4585880, 4585882									
Ethylene dibromide	N.D.	0.010	0.030	ug/l	79	92	60-140	15	20
Batch number: 052301848003									
Sample number(s): 4585867-4585874, 4585876-4585882									
Thallium	N.D.	0.0100	0.0200	mg/l	101		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	106		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	98		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	104		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	106		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	105		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	102		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	103		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	101		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	102		93-110		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:48 PM

Group Number: 955813

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Silver	N.D.	0.0020	0.0050	mg/l	107		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	101		90-112		

Batch number: 05230WAA026	Sample number(s): 4585867,4585873,4585876,4585878,4585880,4585882								
1,4-Dioxane	N.D.	1.	5.	ug/l	60	61	43-73	2	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	91	92	65-107	1	30
2-Chlorophenol	N.D.	1.	5.	ug/l	87	89	63-112	2	30
Phenol	N.D.	1.	5.	ug/l	41	41	29-57	1	30
2-Nitrophenol	N.D.	1.	5.	ug/l	100	101	83-119	1	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	83	82	60-107	2	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	89	88	66-110	2	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	94	92	48-114	2	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	92	94	69-111	2	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	73	75	44-130	3	30
4-Nitrophenol	N.D.	10.	30.	ug/l	42	38	16-75	10	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	82	84	56-130	2	30
Pentachlorophenol	N.D.	3.	15.	ug/l	81	84	48-108	5	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	63	64	39-84	1	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	85	86	57-110	2	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	63	68	52-102	7	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	67	71	54-103	6	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	68	71	58-99	5	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	115	116	68-133	1	30
Hexachloroethane	N.D.	1.	5.	ug/l	47	55	33-106	15	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	90	93	56-109	3	30
Nitrobenzene	N.D.	1.	5.	ug/l	92	90	61-111	2	30
Isophorone	N.D.	1.	5.	ug/l	89	89	63-105	0	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	100	102	69-119	2	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	75	75	62-101	0	30
Naphthalene	N.D.	1.	5.	ug/l	88	87	70-102	2	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	53	59	33-118	11	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	63	66	14-169	4	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	74	76	56-100	3	30
Acenaphthylene	N.D.	1.	5.	ug/l	105	106	65-120	1	30
Dimethylphthalate	N.D.	2.	5.	ug/l	82	84	46-109	1	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	93	94	70-108	2	30
Acenaphthene	N.D.	1.	5.	ug/l	91	93	68-111	2	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	94	94	75-122	0	30
Fluorene	N.D.	1.	5.	ug/l	87	87	61-116	0	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	88	88	65-110	0	30
Diethylphthalate	N.D.	2.	5.	ug/l	93	93	61-110	0	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	96	98	62-106	2	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	98	99	63-104	1	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	94	95	67-110	1	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	91	91	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	95	96	68-111	0	30
Anthracene	N.D.	1.	5.	ug/l	94	92	68-108	3	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	101	101	63-113	1	30
Fluoranthene	N.D.	1.	5.	ug/l	89	88	66-108	1	30
Pyrene	N.D.	1.	5.	ug/l	96	98	68-114	3	30
Benzidine	N.D.	20.	60.	ug/l	99	93	20-134	6	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	100	101	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	89	90	72-112	1	30
Chrysene	N.D.	1.	5.	ug/l	91	93	70-111	2	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	98	96	39-116	2	30

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:48 PM

Group Number: 955813

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	101	103	62-126	2	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	103	107	58-118	4	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	84	83	67-117	1	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	96	97	67-120	1	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	91	91	68-121	1	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	89	88	67-122	1	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	94	96	71-129	2	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	92	91	67-121	2	30
Batch number: 05232120102A	Sample number(s): 4585869,4585871								
Phenols	N.D.	0.0090	0.030	mg/l	101	99	83-108	2	20
Batch number: 05234117101A	Sample number(s): 4585867								
Total Cyanide	N.D.	0.0050	0.010	mg/l	103		90-110		
Batch number: 052345713004	Sample number(s): 4585867-4585874								
Mercury	N.D.	0.00006	0.00020	mg/l	108		80-120		
		2							
Batch number: 05235117101A	Sample number(s): 4585869,4585871,4585873,4585876,4585878,4585880,4585882								
Total Cyanide	N.D.	0.0050	0.010	mg/l	100		90-110		
Batch number: 052355713004	Sample number(s): 4585876-4585882								
Mercury	N.D.	0.00006	0.00020	mg/l	108		80-120		
		2							
Batch number: 05235WAC026	Sample number(s): 4585869,4585871								
1,4-Dioxane	N.D.	1.	5.	ug/l	64	66	43-73	4	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	92	95	65-107	4	30
2-Chlorophenol	N.D.	1.	5.	ug/l	85	86	63-112	2	30
Phenol	N.D.	1.	5.	ug/l	53	55	29-57	3	30
2-Nitrophenol	N.D.	1.	5.	ug/l	105	104	83-119	1	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	92	92	60-107	0	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	93	94	66-110	2	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	96	99	48-114	3	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	98	102	69-111	4	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	84	75	44-130	10	30
4-Nitrophenol	N.D.	10.	30.	ug/l	41	41	16-75	1	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	110	106	56-130	4	30
Pentachlorophenol	N.D.	3.	15.	ug/l	89	86	48-108	4	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	77	79	39-84	3	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	97	100	57-110	3	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	81	84	52-102	4	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	83	84	54-103	2	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	80	84	58-99	5	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	99	102	68-133	3	30
Hexachloroethane	N.D.	1.	5.	ug/l	86	86	33-106	1	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	103	107	56-109	4	30
Nitrobenzene	N.D.	1.	5.	ug/l	107	109	61-111	1	30
Isophorone	N.D.	1.	5.	ug/l	101	103	63-105	2	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	114	114	69-119	0	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	90	90	62-101	0	30
Naphthalene	N.D.	1.	5.	ug/l	86	87	70-102	1	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	93	92	33-118	1	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	114	119	14-169	4	30

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:48 PM

Group Number: 955813

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Chloronaphthalene	N.D.	1.	5.	ug/l	76	78	56-100	3	30
Acenaphthylene	N.D.	1.	5.	ug/l	101	103	65-120	1	30
Dimethylphthalate	N.D.	2.	5.	ug/l	87	89	46-109	2	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	91	97	70-108	6	30
Acenaphthene	N.D.	1.	5.	ug/l	82	85	68-111	4	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	98	98	75-122	0	30
Fluorene	N.D.	1.	5.	ug/l	89	89	61-116	1	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	89	93	65-110	5	30
Diethylphthalate	N.D.	2.	5.	ug/l	84	87	61-110	3	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	106	110*	62-106	4	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	101	103	63-104	2	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	96	98	67-110	2	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	90	90	68-113	0	30
Phenanthrene	N.D.	1.	5.	ug/l	91	92	68-111	1	30
Anthracene	N.D.	1.	5.	ug/l	90	91	68-108	1	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	91	93	63-113	2	30
Fluoranthene	N.D.	1.	5.	ug/l	93	92	66-108	1	30
Pyrene	N.D.	1.	5.	ug/l	92	93	68-114	1	30
Benzidine	N.D.	20.	60.	ug/l	98	96	20-134	2	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	89	90	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	94	95	72-112	2	30
Chrysene	N.D.	1.	5.	ug/l	94	95	70-111	1	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	105	102	39-116	3	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	87	89	62-126	3	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	95	99	58-118	4	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	99	103	67-117	4	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	90	94	67-120	4	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	98	104	68-121	5	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	101	105	67-122	4	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	108	112	71-129	4	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	101	106	67-121	5	30

Batch number: 05236120101A  
Phenols

Sample number(s): 4585867,4585873,4585876,4585878,4585880,4585882  
N.D. 0.0090 0.030 mg/l 104 95 83-108 8 20

Batch number: L052301AA

Sample number(s): 4585866-4585867,4585869,4585871,4585873,4585875-4585876,4585878,4585880,4585882

Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	87		77-127
t-Butyl alcohol	N.D.	10.	80.	ug/l	95		57-141
Chloromethane	N.D.	1.	5.	ug/l	91		59-177
Vinyl Chloride	N.D.	1.	5.	ug/l	89		71-134
Bromomethane	N.D.	1.	5.	ug/l	64		62-131
Chloroethane	N.D.	1.	5.	ug/l	71		67-127
Trichlorofluoromethane	N.D.	2.	5.	ug/l	100		70-148
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	87		79-130
Methylene Chloride	N.D.	2.	5.	ug/l	87		80-128
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	88		81-124
1,1-Dichloroethane	N.D.	1.	5.	ug/l	90		83-127
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	90		84-117
Chloroform	N.D.	0.8	5.	ug/l	92		86-124
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	90		83-127
Carbon Tetrachloride	N.D.	1.	5.	ug/l	92		77-130
Benzene	N.D.	0.5	5.	ug/l	92		85-117
1,2-Dichloroethane	N.D.	1.	5.	ug/l	92		77-132
Trichloroethene	N.D.	1.	5.	ug/l	92		87-117

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:48 PM

Group Number: 955813

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dichloropropane	N.D.	1.	5.	ug/l	92		80-117		
Bromodichloromethane	N.D.	1.	5.	ug/l	88		83-121		
Toluene	N.D.	0.7	5.	ug/l	94		85-115		
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	93		86-113		
Tetrachloroethene	N.D.	0.8	5.	ug/l	92		74-125		
Dibromochloromethane	N.D.	1.	5.	ug/l	92		78-119		
Chlorobenzene	N.D.	0.8	5.	ug/l	93		85-115		
Ethylbenzene	N.D.	0.8	5.	ug/l	94		82-119		
Bromoform	N.D.	1.	5.	ug/l	90		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	95		72-119		
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	96		79-114		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	92		78-114		
Xylene (Total)	N.D.	0.8	5.	ug/l	96		83-113		
Acrylonitrile	N.D.	4.	20.	ug/l	91		55-137		
Acrolein	N.D.	40.	100.	ug/l	78		28-146		
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	84		53-133		

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052300017A	Sample number(s): 4585866-4585867,4585869,4585871,4585873,4585875-4585876,4585878,4585880,4585882							
Ethylene dibromide	96		65-135		N.D.	N.D.	0 (1)	30
Batch number: 052301848003	Sample number(s): 4585867-4585874,4585876-4585882							
Thallium	98	98	89-112	0	20	N.D.	N.D.	219* (1) 20
Arsenic	103	102	86-119	1	20	N.D.	N.D.	158* (1) 20
Selenium	99	99	75-125	0	20	N.D.	N.D.	7629* (1) 20
Antimony	101	100	75-125	1	20	N.D.	N.D.	51* (1) 20
Beryllium	104	103	91-117	0	20	N.D.	N.D.	120* (1) 20
Cadmium	100	100	87-117	0	20	N.D.	N.D.	100* (1) 20
Chromium	99	99	86-118	0	20	N.D.	N.D.	148* (1) 20
Copper	100	100	89-119	1	20	0.0070 J	0.0068 J	3 (1) 20
Lead	98	98	87-118	0	20	N.D.	N.D.	5 (1) 20
Nickel	98	98	91-111	1	20	0.0073 J	0.0080 J	9 (1) 20
Silver	104	103	75-125	1	20	N.D.	N.D.	2 (1) 20
Zinc	99	98	80-120	1	20	N.D.	N.D.	2 (1) 20
Batch number: 05234117101A	Sample number(s): 4585867							
Total Cyanide	100		82-114		N.D.	N.D.	0 (1)	20
Batch number: 052345713004	Sample number(s): 4585867-4585874							
Mercury	100	100	80-120	0	20	N.D.	N.D.	275* (1) 20
Batch number: 05235117101A	Sample number(s): 4585869,4585871,4585873,4585876,4585878,4585880,4585882							
Total Cyanide	82		82-114		N.D.	N.D.	55* (1)	20
Batch number: 052355713004	Sample number(s): 4585876-4585882							
Mercury	105	106	80-120	1	20	N.D.	N.D.	3600* (1) 20

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:48 PM

Group Number: 955813

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD Max
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Batch number: L052301AA	Sample number(s): 4585866-4585867, 4585869, 4585871, 4585873, 4585875-4585876, 4585878, 4585880, 4585882							
Methyl Tertiary Butyl Ether	89	93	69-134	4	30			
t-Butyl alcohol	97	100	51-147	4	30			
Chloromethane	109	103	72-208	6	30			
Vinyl Chloride	112	104	81-150	8	30			
Bromomethane	78	71	59-143	9	30			
Chloroethane	88	81	63-142	9	30			
Trichlorofluoromethane	125	118	77-177	6	30			
1,1-Dichloroethene	96	100	87-145	4	30			
Methylene Chloride	91	94	79-133	4	30			
trans-1,2-Dichloroethene	96	98	82-133	2	30			
1,1-Dichloroethane	97	101	85-135	5	30			
cis-1,2-Dichloroethene	98	101	83-126	3	30			
Chloroform	99	102	82-131	3	30			
1,1,1-Trichloroethane	99	103	81-142	3	30			
Carbon Tetrachloride	100	104	79-155	4	30			
Benzene	100	103	83-128	4	30			
1,2-Dichloroethane	97	100	73-136	3	30			
Trichloroethene	99	102	83-136	4	30			
1,2-Dichloropropane	98	101	83-129	4	30			
Bromodichloromethane	92	95	80-129	3	30			
Toluene	101	105	83-127	4	30			
1,1,2-Trichloroethane	96	100	77-125	4	30			
Tetrachloroethene	100	103	78-133	3	30			
Dibromochloromethane	97	99	73-119	1	30			
Chlorobenzene	99	102	83-120	3	30			
Ethylbenzene	100	104	82-129	4	30			
Bromoform	93	94	64-119	0	30			
1,1,2,2-Tetrachloroethane	94	98	69-121	4	30			
trans-1,3-Dichloropropene	96	98	75-117	2	30			
cis-1,3-Dichloropropene	91	92	76-117	1	30			
Xylene (Total)	102	106	82-130	4	30			
Acrylonitrile	91	94	54-132	4	30			
Acrolein	83	81	21-153	2	30			
2-Chloroethyl Vinyl Ether	0*	0*	1-172	0	30			

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052300007A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4585867	91	80
4585869	99	89
4585871	43*	0*
4585873	40*	0*
4585876	110	119
4585878	126*	186*
4585880	123	200*
4585882	97	96

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:48 PM

Group Number: 955813

### Surrogate Quality Control

Blank	94	98
LCS	99	94
LCSD	101	97

Limits:	45-125	47-155
---------	--------	--------

Analysis Name: EDB in Wastewater  
Batch number: 052300017A  
1,1,2,2-  
Tetrachloroethane

4585866	111
4585867	101
4585869	62
4585871	69
4585873	99
4585875	70
4585876	99
4585878	96
4585880	80
4585882	115
Blank	102
DUP	124*
LCS	85
LCSD	97
MS	97

Limits:	52-120
---------	--------

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05230WAA026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4585867	56	38	93	93
4585873	56	36	88	93
4585876	63	41	92	97
4585878	54	35	84	91
4585880	58	37	84	94
4585882	58	36	91	89
Blank	61	38	93	95
LCS	63	41	93	98
LCSD	63	41	92	97

Limits:	10-99	10-80	31-148	51-123
---------	-------	-------	--------	--------

	2-Fluorobiphenyl	Terphenyl-d14
4585867	92	91
4585873	91	88
4585876	88	62
4585878	88	63
4585880	87	67
4585882	90	92
Blank	86	99
LCS	92	101
LCSD	95	104

Limits:	64-112	52-151
---------	--------	--------

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/26/05 at 04:48 PM

Group Number: 955813

### Surrogate Quality Control

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05235WAC026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4585869	55	37	77	112
4585871	56	38	72	162*
Blank	66	43	87	115
LCS	65	44	89	113
LCSD	68	45	88	113

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
4585869	93	96
4585871	87	55
Blank	94	99
LCS	93	100
LCSD	96	102

Limits: 64-112 52-151

Analysis Name: PPL + Xylene (total) by 8260  
Batch number: L052301AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4585866	104	99	100	94
4585867	104	99	99	96
4585869	105	100	100	99
4585871	101	95	101	108
4585873	102	96	101	103
4585875	104	98	100	103
4585876	105	99	100	99
4585878	105	99	99	99
4585880	106	99	100	100
4585882	104	100	100	96
Blank	102	97	101	99
LCS	100	97	105	104
MS	101	99	105	105
MSD	101	98	104	104

Limits: 81-120 82-112 85-112 83-113

\*- Outside of specification

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- (2) The background result was more than four times the spike added.



955813/453586682

SCR No. 3

Cooler temperature upon receipt: 2.0-5.2°C

[illegible]

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained.

AR102186



# Analysis Request / Environmental Services Chain of Custody

955813/4585866-82

For Lancaster Laboratories use only

Group No.: 955791 Sample Nos.: 4585804-20

Acc't No.: 11549 SCR No.:

Cooler temperature upon receipt: 26.52 °C

Client: Montgomery Watson Harza		Acc't #: 11549		Matrix		Analyses Requested												Remarks:		
Project Manager:		Quote #:																		
Project Name/#: Former Metro Container Investigation																				
Sampler:																				
P.O. #:																				
Name of state where samples were collected: PA																				
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA	VOA TICs - 15	EDB (8011)	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals (total)	PPL Metals (filtered)	PPL Pest/PCBs	Phenol	Cyanide		
OS-MET-002	8/17/05	0730	X			X		11	X									X		N(0-12)
OS-MET-130	8/17/05	0900	X			X		11	X									X		N(0-15)
OS-MET-059	8/17/05	1000	X			X		11	X									X		N(5-20)
OS-MET-026	8/17/05	1030	X			X		11	X									X		N(0-10)
OS-MET-076	8/17/05	1230	X			X		5	X	X								X		N(0-12)
OS-MET-080	8/17/05	1330	X			X		11	X									X		N(0-12)
OS-MET-079	8/17/05	1400	X			X		11	X									X		N(0-12)
OS-MET-079A	8/17/05	1430	X			X		11	X									X		N(0-12)
EB 081705S	8/17/05	1500	X			X		11	X									X		EB
EB 081705W	8/17/05	1510	X			X		11	X									X		EB

Turnaround Time Requested (TAT) (please circle): Normal		Rush		Relinquished by:		Date:	Time:	Received by:	Date:	Time:
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)						8/17/05	1545		8/17/05	15:50
Date results are needed:						Date:	Time:	Received by:	Date:	Time:
Rush results requested by (please circle): Fax		Email				8/17/05	17:42			
Fax #:		Email address:				Date:	Time:	Received by:	Date:	Time:
Data Package Options (please circle if required)		SDG Complete ?		Relinquished by:		Date:	Time:	Received by:	Date:	Time:
QC Summary		Yes No								
Type I (Tier I)				Relinquished by:		Date:	Time:	Received by:	Date:	Time:
Type II (Tier II)										
Type III (NJ Reduced Del.)				Relinquished by:		Date:	Time:	Received by:	Date:	Time:
Type IV (CLP)										
Type VI (Raw Data)										
GLP										
Other										
Site specific QC required? Yes No										
(If yes, indicate QC sample and submit triplicate volume.)										
Internal chain of custody required? Yes No										

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR102187

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 956036. Samples arrived at the laboratory on Thursday, August 18, 2005. The PO# for this group is 2111133.5640.010101.

**Client Description**

TB-081805 Trip Blank Methanol Sample  
05-MET-029 Grab Soil Sample  
05-MET-017 Grab Soil Sample  
05-MET-012 Grab Soil Sample  
05-MET-005 Grab Soil Sample  
05-MET-010 Grab Soil Sample  
05-MET-003 Grab Soil Sample  
05-MET-131 Grab Soil Sample  
05-MET-012S Grab Soil Sample  
05-MET-030 Grab Soil Sample  
05-MET-036 Grab Soil Sample  
05-MET-035 Grab Soil Sample  
05-MET-034 Grab Soil Sample

**Lancaster Labs Number**

4587036  
4587037  
4587038  
4587039  
4587040  
4587041  
4587042  
4587043  
4587044  
4587045  
4587046  
4587047  
4587048

1 COPY TO

Montgomery Watson Harza

Attn: [REDACTED]



Questions? Contact your Client Services Representative

[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Senior Chemist

**Lancaster Laboratories Sample No. G5 4587036**
**TB-081805 Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation**

Collected: 08/18/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 09/02/2005 at 08:49  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB818

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	mg/kg	50
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	50
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.0	mg/kg	50
05444	Chloromethane	74-87-3	N.D.	0.10	0.25	mg/kg	50
05445	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	mg/kg	50
05446	Bromomethane	74-83-9	N.D.	0.10	0.25	mg/kg	50
05447	Chloroethane	75-00-3	N.D.	0.10	0.25	mg/kg	50
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	mg/kg	50
05449	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	mg/kg	50
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.25	mg/kg	50
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	mg/kg	50
05452	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	mg/kg	50
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	mg/kg	50
05455	Chloroform	67-66-3	N.D.	0.050	0.25	mg/kg	50
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	mg/kg	50
05458	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	mg/kg	50
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	mg/kg	50
05462	Trichloroethene	79-01-6	N.D.	0.050	0.25	mg/kg	50
05463	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	mg/kg	50
05465	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	mg/kg	50
05466	Toluene	108-88-3	N.D.	0.050	0.25	mg/kg	50
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	mg/kg	50
05468	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	mg/kg	50
05470	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	mg/kg	50
05472	Chlorobenzene	108-90-7	N.D.	0.050	0.25	mg/kg	50
05474	Ethylbenzene	100-41-4	N.D.	0.050	0.25	mg/kg	50
05478	Bromoform	75-25-2	N.D.	0.050	0.25	mg/kg	50
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	mg/kg	50
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	mg/kg	50
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	mg/kg	50
06301	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	mg/kg	50
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.50	mg/kg	50
07586	Acrolein	107-02-8	N.D.	1.0	5.0	mg/kg	50

\*This limit was used in the evaluation of the final result

AR102191

Lancaster Laboratories Sample No. G5 4587036

TB-081805 Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation

Collected: 08/18/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 09/02/2005 at 08:49  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB818

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	50
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/24/2005 19:50	<span style="background-color: black; color: black;">[REDACTED]</span>	50
07584	PPL Volatiles	SW-846 8260B	1	08/24/2005 19:50	<span style="background-color: black; color: black;">[REDACTED]</span>	50
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:13	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\* = This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4587036	SDG No.: _____
Sample wt/vol: 5.0 (g/mL) g	Lab File ID: HP07536.i/05aug24a.b/qg24s29.d	
Level: (low/med) MED	Date Received: 08/18/05	
% Moisture: not dec. 0	Date Analyzed: 08/24/05	
Column: (pack/cap) CAP	Dilution Factor: 50.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.59	0.16	JB
2.				
3.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102193

**Lancaster Laboratories Sample No. SW 4587037**

**05-MET-029 Grab Soil Sample**

**N(2.5'-3')**

**Former Metro Container Investigation**

Collected: 08/18/2005 07:50

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:49

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET29

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0164 J	0.0033	0.123	mg/kg	1
06925	Thallium	7440-28-0	2.40 J	1.16	2.42	mg/kg	1
06935	Arsenic	7440-38-2	6.70	0.811	2.42	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.16	2.42	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.992	2.42	mg/kg	1
06947	Beryllium	7440-41-7	0.622	0.0520	0.605	mg/kg	1
06949	Cadmium	7440-43-9	0.349 J	0.104	0.605	mg/kg	1
06951	Chromium	7440-47-3	42.4	0.641	1.82	mg/kg	1
06953	Copper	7440-50-8	16.9	0.363	1.21	mg/kg	1
06955	Lead	7439-92-1	12.2	0.944	2.42	mg/kg	1
06961	Nickel	7440-02-0	16.4	0.399	1.21	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.230	0.605	mg/kg	1
06972	Zinc	7440-66-6	284.	0.557	2.42	mg/kg	1
00111	Moisture	n.a.	19.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000210	0.00102	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000210	0.00102	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000210	0.00102	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000407	0.00210	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000407	0.00210	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000407	0.00210	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00210	0.0102	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000210	0.00102	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000210	0.00102	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000259	0.00102	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000210	0.00102	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000407	0.00210	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000407	0.00210	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00494	0.0210	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0136	0.0407	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000210	0.00102	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000407	0.00210	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000407	0.00210	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000407	0.00210	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102194

**Lancaster Laboratories Sample No. SW 4587037**

**05-MET-029 Grab Soil Sample**

**N(2.5'-3')**

**Former Metro Container Investigation**

Collected: 08/18/2005 07:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:49

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET29

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00914	0.0210	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00407	0.0210	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00593	0.0210	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00370	0.0210	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0136	0.0407	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00407	0.0210	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0136	0.0407	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.62	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.082	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.041	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.62	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.082	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.62	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.041	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.041	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.82	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.62	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.082	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.041	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.082	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.62	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102195

**Lancaster Laboratories Sample No. SW 4587037**
**05-MET-029 Grab Soil Sample**
**N(2.5'-3')**
**Former Metro Container Investigation**

Collected: 08/18/2005 07:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:49

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET29

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.082	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.21	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.041	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.082	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.041	0.21	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.041	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.082	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.041	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.82	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.082	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.041	0.21	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.041	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.082	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.082	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.041	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.041	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.041	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.041	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.041	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.041	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	1.02
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	1.02
02020	t-Butyl alcohol	75-65-0	N.D.	0.025	0.13	mg/kg	1.02
05444	Chloromethane	74-87-3	N.D.	0.003	0.006	mg/kg	1.02

\*=This limit was used in the evaluation of the final result

AR102196

Lancaster Laboratories Sample No. SW 4587037

05-MET-029 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/18/2005 07:50

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:49

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET29

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	1.02
05446	Bromomethane	74-83-9	N.D.	0.003	0.006	mg/kg	1.02
05447	Chloroethane	75-00-3	N.D.	0.003	0.006	mg/kg	1.02
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.006	mg/kg	1.02
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	1.02
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.006	mg/kg	1.02
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	1.02
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	1.02
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	1.02
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	1.02
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	1.02
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	1.02
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	1.02
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	1.02
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	1.02
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	1.02
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	1.02
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	1.02
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	1.02
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	1.02
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	1.02
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	1.02
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	1.02
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	1.02
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	1.02
07586	Acrolein	107-02-8	N.D.	0.025	0.13	mg/kg	1.02
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.025	mg/kg	1.02

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102197



Lancaster Laboratories Sample No. SW 4587037

05-MET-029 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/18/2005 07:50

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:49

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET29

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:17	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/22/2005 20:18	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 19:58	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/24/2005 10:43	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 03:17	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 14:48	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 05:05	[REDACTED]	1.02
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 05:05	[REDACTED]	1.02
00381	BNA Soil Extraction	SW-846 3550B	1	08/19/2005 17:30	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:55	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:05	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8

Lancaster Laboratories Sample No. SW 4587037

05-MET-029 Grab Soil Sample

N(2.5'-3')

Former Metro Container Investigation

Collected: 08/18/2005 07:50

by

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:49

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET29

08389 GC/MS - LL Encore Prep

SW-846 5035

2

08/19/2005 13:05

n.a.

\*=This limit was used in the evaluation of the final result

AR102199

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! MET29 !
Matrix: (soil/water) SOIL	SAS No.: _____	! _____ !
Sample wt/vol: 4.89 (g/mL) g	Lab Sample ID: 4587037	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09193.i/05aug25a.b/xg25s02.d	
% Moisture: not dec. 19	Date Received: 08/18/05	
Column: (pack/cap) CAP	Date Analyzed: 08/25/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.006	J B
2.				
3.				
4.				
5.				
6.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102200

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4587037  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0757.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 19 Decanted: (Y/N)                      Date Extracted: 08/19/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 2 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.202	11	JAB
2.	Unknown Amide	10.046	.18	J
3.				
4.				
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30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102201

**Lancaster Laboratories Sample No. SW 4587038**

**05-MET-017 Grab Soil Sample**

**N(7'-7.5')**

**Former Metro Container Investigation**

Collected: 08/18/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:50

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0032	0.121	mg/kg	1
06925	Thallium	7440-28-0	2.42	1.14	2.38	mg/kg	1
06935	Arsenic	7440-38-2	5.32	0.796	2.38	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.14	2.38	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.975	2.38	mg/kg	1
06947	Beryllium	7440-41-7	0.798	0.0511	0.594	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.102	0.594	mg/kg	1
06951	Chromium	7440-47-3	43.4	0.630	1.78	mg/kg	1
06953	Copper	7440-50-8	13.3	0.357	1.19	mg/kg	1
06955	Lead	7439-92-1	7.81	0.927	2.38	mg/kg	1
06961	Nickel	7440-02-0	15.5	0.392	1.19	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.226	0.594	mg/kg	1
06972	Zinc	7440-66-6	38.8	0.547	2.38	mg/kg	1
00111	Moisture	n.a.	19.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00210	0.0103	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00210	0.0103	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00210	0.0103	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00408	0.0210	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00408	0.0210	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00408	0.0210	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0210	0.103	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00210	0.0103	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00210	0.0103	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00260	0.0103	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00210	0.0103	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00408	0.0210	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00408	0.0210	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0494	0.210	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.136	0.408	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00210	0.0103	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00408	0.0210	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00408	0.0210	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00408	0.0210	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102202

**Lancaster Laboratories Sample No. SW 4587038**

**05-MET-017 Grab Soil Sample**

**N(7'-7.5')**

**Former Metro Container Investigation**

Collected: 08/18/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:50

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0915	0.210	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0408	0.210	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0593	0.210	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0371	0.210	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.136	0.408	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0408	0.210	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.136	0.408	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.62	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.082	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	0.32	0.041	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.62	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.082	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.62	mg/kg	1
01195	Pyrene	129-00-0	3.2	0.041	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.063 J	0.041	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.82	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.62	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.082	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102203

**Lancaster Laboratories Sample No. SW 4587038**
**05-MET-017 Grab Soil Sample**
**N(7'-7.5')**
**Former Metro Container Investigation**

Collected: 08/18/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:50

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.041	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.082	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.62	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.082	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.29	0.041	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.082	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	2.1	0.041	0.21	mg/kg	1
03776	Anthracene	120-12-7	1.0	0.041	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.082	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.57	0.041	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.82	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.082	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	2.5	0.041	0.21	mg/kg	1
03782	Chrysene	218-01-9	3.1	0.041	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	0.24 J	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.082	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.082	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.58	0.041	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.18 J	0.041	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.94	0.041	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.18 J	0.041	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.33	0.041	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.26	0.041	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.89
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR102204

Lancaster Laboratories Sample No. SW 4587038

05-MET-017 Grab Soil Sample  
N(7'-7.5')  
Former Metro Container Investigation

Collected: 08/18/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 09/02/2005 at 08:50  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.89
02020	t-Butyl alcohol	75-65-0	N.D.	0.022	0.11	mg/kg	0.89
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.89
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.89
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.89
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.89
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.89
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.89
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.89
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.89
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.89
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.89
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.89
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.89
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.89
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.89
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.89
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.89
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.89
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.89
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.89
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.89
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.89
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.89
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.89
05474	Ethylbenzene	100-41-4	0.003 J	0.001	0.006	mg/kg	0.89
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.89
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.89
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.89
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.89
06301	Xylene (Total)	1330-20-7	0.028	0.001	0.006	mg/kg	0.89
07586	Acrolein	107-02-8	N.D.	0.022	0.11	mg/kg	0.89
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.022	mg/kg	0.89

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102205



Lancaster Laboratories Sample No. SW 4587038

05-MET-017 Grab Soil Sample

N(7'-7.5')

Former Metro Container Investigation

Collected: 08/18/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:50

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET17

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:18	[REDACTED]	1
06925	Thallium	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
06935	Arsenic	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
06936	Selenium	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
06944	Antimony	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
06947	Beryllium	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
06949	Cadmium	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
06951	Chromium	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
06953	Copper	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
06955	Lead	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
06961	Nickel	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
06966	Silver	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
06972	Zinc	SW-846 6010B	2	08/22/2005 20:23	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 19:59	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/24/2005 10:44	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 04:19	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 15:10	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 06:14	[REDACTED]	0.89
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 06:14	[REDACTED]	0.89
00381	BNA Soil Extraction	SW-846 3550B	1	08/19/2005 17:30	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102206

**Lancaster Laboratories Sample No. SW 4587038****05-MET-017 Grab Soil Sample****N(7'-7.5')****Former Metro Container Investigation**

Collected: 08/18/2005 09:00

by

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:50

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

**MET17**

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:58		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:06		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/19/2005 13:06		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4587038  
 Sample wt/vol: 5.61 (g/mL) g Lab File ID: HP09193.i/05aug25a.b/xg25s05.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: not dec. 19 Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	11.82	0.57	J
2.	!Unknown alkane	12.10	0.65	J
3.	!Unknown aliphatic	12.46	0.91	J
4.	!Unknown alkane	12.69	0.57	J
5.	!Unknown alicyclic	12.93	0.91	J
6.	!Unknown alkane	13.04	0.62	J
7.	!Unknown alkane	13.32	0.82	J
8.	!Unknown aromatic	13.40	0.56	J
9.	!Unknown	13.47	0.61	J
10.	!Unknown aromatic	13.53	0.66	J
11.	!Unknown aromatic	13.62	0.71	J
12.	!Unknown	13.75	0.74	J
13.	!Unknown	14.05	0.84	J
14.	!Unknown aromatic	14.15	1.2	J
15.	!Unknown aromatic	14.45	0.62	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102208

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4587038  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0758.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 19 Decanted: (Y/N)                      Date Extracted: 08/19/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.202	7.7	JAB
2.	Nonane, 4-methyl-	4.100	3.5	JX
3.1678-93-9	Cyclohexane, butyl-	4.635	.96	J
4.	Unknown	5.791	1.1	J
5.	Unknown Alkane	5.926	.90	J
6.	Unknown	6.073	1.8	J
7.	Unknown	7.598	.95	J
8.	Unknown Alkane	7.820	1.6	J
9.	Unknown	8.004	2.6	J
10.	Unknown Alkane	8.213	3.5	J
11.	Unknown Alkane	8.508	1.4	J
12.	Unknown	8.687	1.1	J
13.	Unknown	8.822	2.9	J
14.	Unknown	9.135	2.0	J
15.	Phenanthrene, 2,3-dimethyl-	9.264	2.5	JX
16.	Unknown	10.021	.97	J
17.	Unknown	11.294	1.3	J
18.	Benz[a]anthracene, 7,12-dime	11.324	2.5	JX
19.	Unknown	11.423	1.9	J
20.	Unknown	11.638	1.3	J
21.	Unknown	11.699	1.0	J
22.	Unknown	11.755	.88	J
23.	Benzo[a]pyrene	11.822	1.9	JX
24.	Unknown	11.988	1.0	J
25.	Perylene, 3-methyl-	12.228	1.5	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102209

Lancaster Laboratories Sample No. SW 4587039

05-MET-012 Grab Soil Sample  
N(9'-9.5')  
Former Metro Container Investigation

Collected: 08/18/2005 10:10

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 09/02/2005 at 08:50  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0517 J	0.0031	0.116	mg/kg	1
06925	Thallium	7440-28-0	1.77 J	1.13	2.35	mg/kg	1
06935	Arsenic	7440-38-2	4.14	0.787	2.35	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.13	2.35	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.963	2.35	mg/kg	1
06947	Beryllium	7440-41-7	0.829	0.0505	0.587	mg/kg	1
06949	Cadmium	7440-43-9	0.255 J	0.101	0.587	mg/kg	1
06951	Chromium	7440-47-3	37.1	0.622	1.76	mg/kg	1
06953	Copper	7440-50-8	15.2	0.352	1.17	mg/kg	1
06955	Lead	7439-92-1	26.3	0.916	2.35	mg/kg	1
06961	Nickel	7440-02-0	22.4	0.387	1.17	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.223	0.587	mg/kg	1
06972	Zinc	7440-66-6	45.4	0.540	2.35	mg/kg	1
00111	Moisture	n.a.	16.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.60	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00204	0.00994	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00204	0.00994	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00204	0.00994	mg/kg	10
01221	p,p-DDT	50-29-3	0.0179 J	0.00395	0.0204	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00395	0.0204	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00395	0.0204	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0204	0.0994	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00204	0.00994	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00204	0.00994	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00251	0.00994	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00204	0.00994	mg/kg	10
01985	p,p-DDE	72-55-9	0.00736 J	0.00395	0.0204	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00395	0.0204	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0479	0.204	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.132	0.395	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00204	0.00994	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00395	0.0204	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00395	0.0204	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00395	0.0204	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102210

**Lancaster Laboratories Sample No. SW 4587039**
**05-MET-012 Grab Soil Sample**
**N(9'-9.5')**
**Former Metro Container Investigation**

Collected: 08/18/2005 10:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:50

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0886	0.204	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0395	0.204	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0575	0.204	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0359	0.204	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.132	0.395	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0395	0.204	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.132	0.395	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.60	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.040	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.040	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.040	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.040	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.040	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.080	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.040	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.60	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.080	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.60	mg/kg	1
01195	Pyrene	129-00-0	0.12 J	0.040	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.040	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.040	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.040	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.040	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.80	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.60	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.080	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.040	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.040	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.040	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.040	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.040	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.040	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.040	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102211

**Lancaster Laboratories Sample No. SW 4587039**
**05-MET-012 Grab Soil Sample**
**N(9'-9.5')**
**Former Metro Container Investigation**

Collected: 08/18/2005 10:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:50

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.040	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.040	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.080	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.60	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.040	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.040	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.080	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.040	0.20	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.040	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.040	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.080	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.040	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.040	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.040	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.040	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	0.071 J	0.040	0.20	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.040	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.080	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	0.11 J	0.040	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.80	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.080	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.12 J	0.040	0.20	mg/kg	1
03782	Chrysene	218-01-9	0.13 J	0.040	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.40	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.087 J	0.080	0.40	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.080	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.15 J	0.040	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.053 J	0.040	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.20	0.040	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.098 J	0.040	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.11 J	0.040	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.19 J	0.040	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	1.01
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR102212

Lancaster Laboratories Sample No. SW 4587039

05-MET-012 Grab Soil Sample  
N(9'-9.5')  
Former Metro Container Investigation

Collected: 08/18/2005 10:10

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 09/02/2005 at 08:50  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.024	0.12	mg/kg	1.01
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	1.01
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	1.01
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	1.01
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	1.01
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	1.01
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	1.01
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	1.01
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	1.01
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	1.01
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	1.01
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	1.01
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	1.01
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	1.01
05460	Benzene	71-43-2	0.006 J	0.0006	0.006	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	1.01
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	1.01
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	1.01
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	1.01
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	1.01
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	1.01
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	1.01
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	1.01
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	1.01
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	1.01
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	1.01
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	1.01
07586	Acrolein	107-02-8	N.D.	0.024	0.12	mg/kg	1.01
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.024	mg/kg	1.01

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102213



Lancaster Laboratories Sample No. SW 4587039

05-MET-012 Grab Soil Sample

N(9'-9.5')

Former Metro Container Investigation

Collected: 08/18/2005 10:10

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:50

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET12

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:20	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/22/2005 20:39	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:05	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/24/2005 10:50	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 04:40	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 15:33	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 05:28	[REDACTED]	1.01
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 05:28	[REDACTED]	1.01
00381	BNA Soil Extraction	SW-846 3550B	1	08/19/2005 17:30	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102214

**Lancaster Laboratories Sample No. SW 4587039****05-MET-012 Grab Soil Sample****N(9'-9.5')****Former Metro Container Investigation**

Collected: 08/18/2005 10:10

by

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:50

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**MET12**

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:00		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:07		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/19/2005 13:07		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4587039  
 Sample wt/vol: 4.95 (g/mL) g      Lab File ID: HP09193.i/05aug25a.b/xg25s03.d  
 Level: (low/med) LOW      Date Received: 08/18/05  
 % Moisture: not dec. 16      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.007	J B
2.				
3.				
4.				
5.				
6.				
7.				
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9.				
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11.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102216

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4587039  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0759.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 16 Decanted: (Y/N)                      Date Extracted: 08/19/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 6 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.196	23	JAB
2.	Unknown	10.046	.17	J
3.	Unknown	10.703	.17	J
4.	Triphenylene, 2-methyl-	10.906	.26	JX
5.	Benzo[j]fluoranthene	11.786	.25	JX
6.	Unknown	12.234	.18	J
7.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102217

Lancaster Laboratories Sample No. SW 4587040

05-MET-005 Grab Soil Sample  
N(4.5'-5')  
Former Metro Container Investigation

Collected: 08/18/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 09/02/2005 at 08:51  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0075 J	0.0030	0.113	mg/kg	1
06925	Thallium	7440-28-0	1.67 J	1.10	2.29	mg/kg	1
06935	Arsenic	7440-38-2	4.34	0.766	2.29	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.10	2.29	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.938	2.29	mg/kg	1
06947	Beryllium	7440-41-7	0.795	0.0492	0.572	mg/kg	1
06949	Cadmium	7440-43-9	0.391 J	0.0983	0.572	mg/kg	1
06951	Chromium	7440-47-3	41.7	0.606	1.72	mg/kg	1
06953	Copper	7440-50-8	12.8	0.343	1.14	mg/kg	1
06955	Lead	7439-92-1	13.3	0.892	2.29	mg/kg	1
06961	Nickel	7440-02-0	23.5	0.377	1.14	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.217	0.572	mg/kg	1
06972	Zinc	7440-66-6	48.9	0.526	2.29	mg/kg	1
00111	Moisture	n.a.	15.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.20	0.56	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000200	0.000978	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000200	0.000978	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000200	0.000978	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000389	0.00200	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000389	0.00200	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000389	0.00200	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00200	0.00978	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000200	0.000978	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000200	0.000978	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000247	0.000978	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000200	0.000978	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000671	0.00200	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.00105	0.00200	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00471	0.0200	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0130	0.0389	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000200	0.000978	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000389	0.00200	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000389	0.00200	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000389	0.00200	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102218

**Lancaster Laboratories Sample No. SW 4587040**
**05-MET-005 Grab Soil Sample**
**N(4.5'-5')**
**Former Metro Container Investigation**

Collected: 08/18/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:51

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00872	0.0200	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00389	0.0200	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00565	0.0200	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00353	0.0200	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0130	0.0389	mg/kg	1
01998	PCB-1254	11097-69-1	0.00778 J	0.00389	0.0200	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0130	0.0389	mg/kg	1

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and 4,4'-DDD.

Despite numerous cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.39	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.039	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.039	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.039	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.039	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.039	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.079	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.039	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.59	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.079	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.59	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.039	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.039	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.039	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.039	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.039	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.79	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.59	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.079	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.039	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.039	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.039	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.039	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.039	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.039	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.039	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102219

**Lancaster Laboratories Sample No. SW 4587040**
**05-MET-005 Grab Soil Sample**
**N(4.5'-5')**
**Former Metro Container Investigation**

Collected: 08/18/2005 11:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:51

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.039	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.039	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.079	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.59	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.039	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.039	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.079	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.039	0.20	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.039	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.039	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.079	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.039	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.039	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.039	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.039	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.039	0.20	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.039	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.079	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.039	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.79	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.079	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.039	0.20	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.039	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.39	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.079	0.39	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.079	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.039	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.039	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.039	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.039	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.039	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.039	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.063	0.32	mg/kg	53.53
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR102220

Lancaster Laboratories Sample No. SW 4587040

05-MET-005 Grab Soil Sample  
N(4.5'-5')  
Former Metro Container Investigation

Collected: 08/18/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 09/02/2005 at 08:51  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.032	0.32	mg/kg	53.53
02020	t-Butyl alcohol	75-65-0	N.D.	1.3	6.3	mg/kg	53.53
05444	Chloromethane	74-87-3	N.D.	0.13	0.32	mg/kg	53.53
05445	Vinyl Chloride	75-01-4	N.D.	0.063	0.32	mg/kg	53.53
05446	Bromomethane	74-83-9	N.D.	0.13	0.32	mg/kg	53.53
05447	Chloroethane	75-00-3	N.D.	0.13	0.32	mg/kg	53.53
05448	Trichlorofluoromethane	75-69-4	N.D.	0.13	0.32	mg/kg	53.53
05449	1,1-Dichloroethene	75-35-4	N.D.	0.063	0.32	mg/kg	53.53
05450	Methylene Chloride	75-09-2	N.D.	0.13	0.32	mg/kg	53.53
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.063	0.32	mg/kg	53.53
05452	1,1-Dichloroethane	75-34-3	N.D.	0.063	0.32	mg/kg	53.53
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.063	0.32	mg/kg	53.53
05455	Chloroform	67-66-3	N.D.	0.063	0.32	mg/kg	53.53
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.063	0.32	mg/kg	53.53
05458	Carbon Tetrachloride	56-23-5	N.D.	0.063	0.32	mg/kg	53.53
05460	Benzene	71-43-2	N.D.	0.032	0.32	mg/kg	53.53
05461	1,2-Dichloroethane	107-06-2	N.D.	0.063	0.32	mg/kg	53.53
05462	Trichloroethene	79-01-6	N.D.	0.063	0.32	mg/kg	53.53
05463	1,2-Dichloropropane	78-87-5	N.D.	0.063	0.32	mg/kg	53.53
05465	Bromodichloromethane	75-27-4	N.D.	0.063	0.32	mg/kg	53.53
05466	Toluene	108-88-3	N.D.	0.063	0.32	mg/kg	53.53
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.063	0.32	mg/kg	53.53
05468	Tetrachloroethene	127-18-4	N.D.	0.063	0.32	mg/kg	53.53
05470	Dibromochloromethane	124-48-1	N.D.	0.063	0.32	mg/kg	53.53
05472	Chlorobenzene	108-90-7	N.D.	0.063	0.32	mg/kg	53.53
05474	Ethylbenzene	100-41-4	N.D.	0.063	0.32	mg/kg	53.53
05478	Bromoform	75-25-2	N.D.	0.063	0.32	mg/kg	53.53
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.063	0.32	mg/kg	53.53
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.063	0.32	mg/kg	53.53
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.063	0.32	mg/kg	53.53
06301	Xylene (Total)	1330-20-7	N.D.	0.063	0.32	mg/kg	53.53
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.13	0.63	mg/kg	53.53
07586	Acrolein	107-02-8	N.D.	1.3	6.3	mg/kg	53.53
07587	Acrylonitrile	107-13-1	N.D.	0.25	1.3	mg/kg	53.53

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR102221



Lancaster Laboratories Sample No. SW 4587040

05-MET-005 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/18/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:51

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET05

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:21	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/22/2005 20:44	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:06	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/24/2005 10:51	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 05:00	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 14:46	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 20:53	[REDACTED]	53.53
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 20:53	[REDACTED]	53.53
00381	BNA Soil Extraction	SW-846 3550B	2	08/24/2005 17:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102222

**Lancaster Laboratories Sample No. SW 4587040**

**05-MET-005 Grab Soil Sample**

**N(4.5'-5')**

**Former Metro Container Investigation**

Collected: 08/18/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:51

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MET05

05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:01	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:08	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/19/2005 13:08	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4587040  
 Sample wt/vol: 4.67 (g/mL) g Lab File ID: HP07536.i/05aug25b.b/qg25s23.d  
 Level: (low/med) MED Date Received: 08/18/05  
 % Moisture: not dec. 15 Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP Dilution Factor: 53.5  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	14.86	0.89	J
2.	!Unknown aromatic	15.11	0.56	J
3.	!Unknown	15.19	0.39	J
4.	!Unknown aromatic	15.25	0.91	J
5.	!Unknown aromatic	15.27	0.50	J
6.	!Unknown aromatic	15.36	0.70	J
7.	!Unknown aromatic	15.37	0.58	J
8.	!Unknown aromatic	15.49	0.72	J
9.	!Unknown aromatic	15.54	3.2	J
10.	!Unknown	15.57	0.41	J
11.	!Unknown	15.62	0.42	J
12.	!Unknown aromatic	15.69	1.8	J
13.	!Unknown aromatic	15.75	0.48	J
14.	!Unknown aromatic	15.84	0.54	J
15.	!Unknown aromatic	15.92	0.64	J
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102224

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) SOIL Lab Sample ID: 4587040  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0874.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 15 Decanted: (Y/N)              Date Extracted: 08/24/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 4 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	2.758	.45	JA
2.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.121	.26	JAB
3.	Indeno[1,2,3-fg]naphthacene	11.335	.38	JX
4.	Unknown	13.309	.78	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102225

**Lancaster Laboratories Sample No. SW 4587041**
**05-MET-010 Grab Soil Sample**
**N(6.5'-7')**
**Former Metro Container Investigation**

Collected: 08/18/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:51

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.504	0.0029	0.108	mg/kg	1
06925	Thallium	7440-28-0	1.78 J	1.02	2.12	mg/kg	1
06935	Arsenic	7440-38-2	16.8	0.709	2.12	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.02	2.12	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.868	2.12	mg/kg	1
06947	Beryllium	7440-41-7	0.527 J	0.0455	0.529	mg/kg	1
06949	Cadmium	7440-43-9	0.756	0.0911	0.529	mg/kg	1
06951	Chromium	7440-47-3	19.6	0.561	1.59	mg/kg	1
06953	Copper	7440-50-8	105.	0.318	1.06	mg/kg	1
06955	Lead	7439-92-1	1,200.	0.826	2.12	mg/kg	1
06961	Nickel	7440-02-0	17.0	0.349	1.06	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.201	0.529	mg/kg	1
06972	Zinc	7440-66-6	291.	0.487	2.12	mg/kg	1
00111	Moisture	n.a.	8.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.19	0.54	mg/kg	1
05912	Phenols	n.a.	N.D.	1.3	3.8	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00927	0.0453	mg/kg	50
01219	Heptachlor	76-44-8	N.D.	0.00927	0.0453	mg/kg	50
01220	Aldrin	309-00-2	N.D.	0.00927	0.0453	mg/kg	50
01221	p,p-DDT	50-29-3	N.D.	0.0180	0.0927	mg/kg	50
01222	Dieldrin	60-57-1	N.D.	0.0180	0.0927	mg/kg	50
01223	Endrin	72-20-8	N.D.	0.0180	0.0927	mg/kg	50
01859	Methoxychlor	72-43-5	N.D.	0.0927	0.453	mg/kg	50
01981	Alpha BHC	319-84-6	N.D.	0.00927	0.0453	mg/kg	50
01982	Beta BHC	319-85-7	N.D.	0.00927	0.0453	mg/kg	50
01983	Delta BHC	319-86-8	N.D.	0.0115	0.0453	mg/kg	50
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00927	0.0453	mg/kg	50
01985	p,p-DDE	72-55-9	N.D.	0.0180	0.0927	mg/kg	50
01986	p,p-DDD	72-54-8	N.D.	0.0180	0.0927	mg/kg	50
01987	Chlordane	57-74-9	N.D.	0.218	0.927	mg/kg	50
01988	Toxaphene	8001-35-2	N.D.	0.600	1.80	mg/kg	50
01989	Endosulfan I	959-98-8	N.D.	0.00927	0.0453	mg/kg	50
01990	Endosulfan II	33213-65-9	N.D.	0.0180	0.0927	mg/kg	50
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0180	0.0927	mg/kg	50
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0180	0.0927	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR102226

Lancaster Laboratories Sample No. SW 4587041

05-MET-010 Grab Soil Sample

N(6.5'-7')

Former Metro Container Investigation

Collected: 08/18/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:51

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.403	0.927	mg/kg	50
01994	PCB-1221	11104-28-2	N.D.	0.180	0.927	mg/kg	50
01995	PCB-1232	11141-16-5	N.D.	0.262	0.927	mg/kg	50
01996	PCB-1242	53469-21-9	N.D.	0.164	0.927	mg/kg	50
01997	PCB-1248	12672-29-6	N.D.	0.600	1.80	mg/kg	50
01998	PCB-1254	11097-69-1	N.D.	0.180	0.927	mg/kg	50
01999	PCB-1260	11096-82-5	N.D.	0.600	1.80	mg/kg	50

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.1	5.5	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.36	1.8	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.36	1.8	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.36	1.8	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.36	1.8	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.36	1.8	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.73	1.8	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	0.36	1.8	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	1.8	5.5	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.73	1.8	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	1.8	5.5	mg/kg	10
01195	Pyrene	129-00-0	5.0	0.36	1.8	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.36	1.8	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.36	1.8	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.1	1.8	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.36	1.8	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.36	1.8	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	7.3	22.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.8	5.5	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.73	1.8	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.36	1.8	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.36	1.8	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.36	1.8	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.36	1.8	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.36	1.8	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.36	1.8	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.36	1.8	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102227

**Lancaster Laboratories Sample No. SW 4587041**
**05-MET-010 Grab Soil Sample**
**N(6.5'-7')**
**Former Metro Container Investigation**

Collected: 08/18/2005 12:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:51

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.36	1.8	mg/kg	10
03761	Naphthalene	91-20-3	N.D.	0.36	1.8	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	0.73	1.8	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.8	5.5	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.36	1.8	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.36	1.8	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	0.73	1.8	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.36	1.8	mg/kg	10
03768	Fluorene	86-73-7	N.D.	0.36	1.8	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.36	1.8	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	0.73	1.8	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.36	1.8	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.36	1.8	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.36	1.8	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.36	1.8	mg/kg	10
03775	Phenanthrene	85-01-8	0.73 J	0.36	1.8	mg/kg	10
03776	Anthracene	120-12-7	0.48 J	0.36	1.8	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	0.73	1.8	mg/kg	10
03778	Fluoranthene	206-44-0	1.0 J	0.36	1.8	mg/kg	10
03779	Benzidine	92-87-5	N.D.	7.3	22.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	0.73	1.8	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	1.7 J	0.36	1.8	mg/kg	10
03782	Chrysene	218-01-9	2.8	0.36	1.8	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.1	3.6	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.73	3.6	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	0.73	1.8	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	2.3	0.36	1.8	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	0.74 J	0.36	1.8	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	2.4	0.36	1.8	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	1.4 J	0.36	1.8	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	1.7 J	0.36	1.8	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	3.4	0.36	1.8	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

AR102228

Lancaster Laboratories Sample No. SW 4587041

05-MET-010 Grab Soil Sample  
N(6.5'-7')  
Former Metro Container Investigation

Collected: 08/18/2005 12:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 09/02/2005 at 08:51  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.93
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.93
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	0.10	mg/kg	0.93
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.93
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.93
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.93
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.93
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.93
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.93
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.005	mg/kg	0.93
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.93
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	0.93
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.93
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.93
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.93
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.93
05460	Benzene	71-43-2	0.002 J	0.0005	0.005	mg/kg	0.93
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.93
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.93
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.93
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.93
05466	Toluene	108-88-3	N.D.	0.001	0.005	mg/kg	0.93
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.93
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.93
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.93
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.93
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.005	mg/kg	0.93
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.93
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.93
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.93
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.93
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	mg/kg	0.93
07586	Acrolein	107-02-8	N.D.	0.020	0.10	mg/kg	0.93
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.020	mg/kg	0.93

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result



Lancaster Laboratories Sample No. SW 4587041

05-MET-010 Grab Soil Sample

N(6.5'-7')

Former Metro Container Investigation

Collected: 08/18/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:51

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET10

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:23	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/22/2005 20:49	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:07	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/24/2005 10:53	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 05:21	[REDACTED]	50
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 16:17	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 06:37	[REDACTED]	0.93
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 06:37	[REDACTED]	0.93
00381	BNA Soil Extraction	SW-846 3550B	1	08/19/2005 17:30	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102230

**Lancaster Laboratories Sample No. SW 4587041**

**05-MET-010 Grab Soil Sample**

**N(6.5'-7')**

**Former Metro Container Investigation**

Collected: 08/18/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:51

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MET10

05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:02	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:09	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/19/2005 13:09	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4587041  
 Sample wt/vol: 5.36 (g/mL) g Lab File ID: HP09193.i/05aug25a.b/xg25s06.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: not dec. 8 Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	11.92	0.026	J
2.	!Unknown	12.10	0.017	J
3.	!Unknown	12.46	0.025	J
4.	!Unknown alicyclic	12.93	0.021	J
5.	!Unknown alkane	13.32	0.018	J
6.	!Unknown	13.74	0.017	J
7.	!Unknown alkane	14.05	0.031	J
8.	!Unknown	14.14	0.044	J
9.	!Unknown aromatic	14.45	0.031	J
10.	!Unknown alkane	14.47	0.017	J
11.	!Unknown	14.66	0.017	J
12.	!Unknown aromatic	14.80	0.017	J
13.	!Unknown aromatic	14.93	0.018	J
14.	!Unknown aromatic	15.07	0.025	J
15.	!Unknown	15.16	0.021	J
16.				
17.				
18.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102232

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4587041  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0761.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 8 Decanted: (Y/N)                      Date Extracted: 08/19/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.190	13	JAB
2.	Unknown Alkane	7.592	53	J
3.	Unknown	7.820	4.6	J
4.	Unknown	8.096	4.0	J
5.	Unknown Alkane	8.207	7.2	J
6.	Unknown Alkane	8.502	4.1	J
7.	Unknown	8.588	4.1	J
8.	Phenanthrene, 2-methyl-	8.748	4.5	JX
9.	Unknown Alkane	8.816	6.0	J
10.	Unknown	9.086	4.6	J
11.	Unknown Alkane	9.123	4.4	J
12.	Unknown	9.418	5.3	J
13.	Unknown Alkane	9.566	4.4	J
14.	Unknown	9.707	7.5	J
15.	Pyrene, 4-methyl-	9.886	5.7	JX
16.	Unknown	10.009	5.7	J
17.	Unknown Alkane	10.045	4.3	J
18.	Unknown Alkane	10.125	19	J
19.	Unknown Cycloalkane	10.310	14	J
20.	Unknown	10.328	14	J
21.	Unknown Alkane	10.420	28	J
22.	Unknown	10.617	12	J
23.	Unknown Alkane	10.709	24	J
24.	Chrysene, 6-methyl-	10.900	18	JX
25.	Unknown Alkane	10.992	15	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102233

**Lancaster Laboratories Sample No. SW 4587042**
**05-MET-003 Grab Soil Sample**
**N(5.5'-6')**
**Former Metro Container Investigation**

Collected: 08/18/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0077 J	0.0033	0.124	mg/kg	1
06925	Thallium	7440-28-0	1.91 J	1.17	2.43	mg/kg	1
06935	Arsenic	7440-38-2	6.20	0.813	2.43	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.17	2.43	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.995	2.43	mg/kg	1
06947	Beryllium	7440-41-7	0.758	0.0522	0.607	mg/kg	1
06949	Cadmium	7440-43-9	0.365 J	0.104	0.607	mg/kg	1
06951	Chromium	7440-47-3	33.0	0.643	1.82	mg/kg	1
06953	Copper	7440-50-8	12.9	0.364	1.21	mg/kg	1
06955	Lead	7439-92-1	10.5	0.947	2.43	mg/kg	1
06961	Nickel	7440-02-0	13.0	0.400	1.21	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.231	0.607	mg/kg	1
06972	Zinc	7440-66-6	44.1	0.558	2.43	mg/kg	1
00111	Moisture	n.a.	20.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.63	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000213	0.00104	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000213	0.00104	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000213	0.00104	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000413	0.00213	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000413	0.00213	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000413	0.00213	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00213	0.0104	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000213	0.00104	mg/kg	1
01982	Beta BHC	319-85-7	0.000276 J	0.000213	0.00104	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000263	0.00104	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000213	0.00104	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000413	0.00213	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000413	0.00213	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00500	0.0213	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0138	0.0413	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000213	0.00104	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000413	0.00213	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000413	0.00213	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000413	0.00213	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102234

**Lancaster Laboratories Sample No. SW 4587042**

**05-MET-003 Grab Soil Sample  
N(5.5'-6')  
Former Metro Container Investigation**

Collected: 08/18/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 09/02/2005 at 08:52  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00925	0.0213	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00413	0.0213	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00600	0.0213	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00375	0.0213	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0138	0.0413	mg/kg	1
01998	PCB-1254	11097-69-1	0.00464 J	0.00413	0.0213	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0138	0.0413	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.62	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.042	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.042	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.042	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.042	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.042	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.083	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.042	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.62	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.083	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.62	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.042	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.042	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.042	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.042	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.042	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.83	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.62	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.083	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.042	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.042	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.042	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.042	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.042	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.042	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.042	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.042	0.21	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.042	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.083	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.62	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102235

**Lancaster Laboratories Sample No. SW 4587042**
**05-MET-003 Grab Soil Sample**
**N(5.5'-6')**
**Former Metro Container Investigation**

Collected: 08/18/2005 14:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.042	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.042	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.083	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.042	0.21	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.042	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.042	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.083	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.042	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.042	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.042	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.042	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.042	0.21	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.042	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.083	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.042	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.83	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.083	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.042	0.21	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.042	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.42	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.083	0.42	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.083	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.042	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.042	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.042	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.042	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.042	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.042	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.96
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.96
02020	t-Butyl alcohol	75-65-0	N.D.	0.024	0.12	mg/kg	0.96
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.96

\*=This limit was used in the evaluation of the final result

AR102236

Lancaster Laboratories Sample No. SW 4587042

05-MET-003 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/18/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.96
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.96
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.96
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.96
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.96
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.96
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.96
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.96
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.96
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.96
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.96
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.96
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.96
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.96
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.96
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.96
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.96
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.96
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.96
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.96
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.96
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.96
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.96
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.96
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.96
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.96
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.96
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.96
07586	Acrolein	107-02-8	N.D.	0.024	0.12	mg/kg	0.96
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.024	mg/kg	0.96

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102237



**Lancaster Laboratories Sample No. SW 4587042**
**05-MET-003 Grab Soil Sample**
**N(5.5'-6')**
**Former Metro Container Investigation**

Collected: 08/18/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:25	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06925	Thallium	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06935	Arsenic	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06936	Selenium	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06944	Antimony	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06947	Beryllium	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06949	Cadmium	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06951	Chromium	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06953	Copper	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06955	Lead	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06961	Nickel	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06966	Silver	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06972	Zinc	SW-846 6010B	1	08/22/2005 20:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:08	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05912	Phenols	SW846 9066	1	08/24/2005 10:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 05:41	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 16:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 07:00	<span style="background-color: black; color: black;">[REDACTED]</span>	0.96
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 07:00	<span style="background-color: black; color: black;">[REDACTED]</span>	0.96
00381	BNA Soil Extraction	SW-846 3550B	1	08/19/2005 17:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:10	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.

\*=This limit was used in the evaluation of the final result

AR102238



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8

Lancaster Laboratories Sample No. SW 4587042

05-MET-003 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/18/2005 14:30

by

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET03

08389 GC/MS - LL Encore Prep

SW-846 5035

2

08/19/2005 13:10

n.a.

\*=This limit was used in the evaluation of the final result

AR102239

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! MET03 !
Matrix: (soil/water) SOIL	SAS No.: _____	! _____ !
Sample wt/vol: 5.19 (g/mL) g	Lab Sample ID: 4587042	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09193.i/05aug25a.b/xg25s07.d	
% Moisture: not dec. 20	Date Received: 08/18/05	
Column: (pack/cap) CAP	Date Analyzed: 08/25/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.006	J B
2.				
3.				
4.				
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29.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102240

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4587042  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0762.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 20 Decanted: (Y/N)                      Date Extracted: 08/19/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 14 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.138	.28	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	3.196	10	JAB
3.	!Phenol, 3-fluoro-	4.407	1.1	JX
4.	!Unknown	9.160	.21	J
5.	!Unknown	10.119	.24	J
6.	!Unknown	10.986	.17	J
7.	!Unknown	11.072	.35	J
8.	!Unknown	11.257	.63	J
9.	!Unknown	11.349	.24	J
10.	!Unknown	11.417	.20	J
11.	!Unknown	11.478	.23	J
12.	!Unknown Alkane	11.589	.29	J
13.	!Unknown	12.013	.21	J
14.	!Unknown	12.271	.25	J
15.				
16.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102241

Lancaster Laboratories Sample No. SW 4587043

05-MET-131 Grab Soil Sample

N(2'-2.5')

Former Metro Container Investigation

Collected: 08/18/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT131

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	1.40	0.0144	0.540	mg/kg	5
06925	Thallium	7440-28-0	1.69 J	1.01	2.11	mg/kg	1
06935	Arsenic	7440-38-2	7.86	0.708	2.11	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.01	2.11	mg/kg	1
06944	Antimony	7440-36-0	22.5	0.866	2.11	mg/kg	1
06947	Beryllium	7440-41-7	0.784	0.0454	0.528	mg/kg	1
06949	Cadmium	7440-43-9	4.09	0.0909	0.528	mg/kg	1
06951	Chromium	7440-47-3	71.9	0.560	1.58	mg/kg	1
06953	Copper	7440-50-8	116.	0.317	1.06	mg/kg	1
06955	Lead	7439-92-1	381.	0.824	2.11	mg/kg	1
06961	Nickel	7440-02-0	35.7	0.349	1.06	mg/kg	1
06966	Silver	7440-22-4	0.321 J	0.201	0.528	mg/kg	1
06972	Zinc	7440-66-6	659.	0.486	2.11	mg/kg	1
00111	Moisture	n.a.	9.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.29 J	0.19	0.54	mg/kg	1
05912	Phenols	n.a.	N.D.	1.3	3.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0187	0.0912	mg/kg	100
01219	Heptachlor	76-44-8	N.D.	0.0187	0.0912	mg/kg	100
01220	Aldrin	309-00-2	N.D.	0.0187	0.0912	mg/kg	100
01221	p,p-DDT	50-29-3	N.D.	0.0780	0.187	mg/kg	100
01222	Dieldrin	60-57-1	N.D.	0.116	0.187	mg/kg	100
01223	Endrin	72-20-8	N.D.	0.0363	0.187	mg/kg	100
01859	Methoxychlor	72-43-5	N.D.	0.187	0.912	mg/kg	100
01981	Alpha BHC	319-84-6	N.D.	0.0187	0.0912	mg/kg	100
01982	Beta BHC	319-85-7	N.D.	0.0187	0.0912	mg/kg	100
01983	Delta BHC	319-86-8	N.D.	0.0231	0.0912	mg/kg	100
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0187	0.0912	mg/kg	100
01985	p,p-DDE	72-55-9	N.D.	0.0670	0.187	mg/kg	100
01986	p,p-DDD	72-54-8	N.D.	0.355	0.187	mg/kg	100
01987	Chlordane	57-74-9	N.D.	0.440	1.87	mg/kg	100
01988	Toxaphene	8001-35-2	N.D.	1.21	3.63	mg/kg	100
01989	Endosulfan I	959-98-8	N.D.	0.0187	0.0912	mg/kg	100
01990	Endosulfan II	33213-65-9	N.D.	0.0363	0.187	mg/kg	100
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0363	0.187	mg/kg	100
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0363	0.187	mg/kg	100

\*=This limit was used in the evaluation of the final result

AR102242

**Lancaster Laboratories Sample No. SW 4587043**
**05-MET-131 Grab Soil Sample**
**N(2'-2.5')**
**Former Metro Container Investigation**

Collected: 08/18/2005 15:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT131

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.813	1.87	mg/kg	100
01994	PCB-1221	11104-28-2	N.D.	0.363	1.87	mg/kg	100
01995	PCB-1232	11141-16-5	N.D.	0.527	1.87	mg/kg	100
01996	PCB-1242	53469-21-9	N.D.	0.330	1.87	mg/kg	100
01997	PCB-1248	12672-29-6	N.D.	1.21	3.63	mg/kg	100
01998	PCB-1254	11097-69-1	0.576 J	0.363	1.87	mg/kg	100
01999	PCB-1260	11096-82-5	N.D.	1.21	3.63	mg/kg	100

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin and 4,4'-DDD and 4,4'-DDT.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.55	2.7	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.18	0.92	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.18	0.92	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.18	0.92	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.18	0.92	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.18	0.92	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.37	0.92	mg/kg	1
01191	Acenaphthene	83-32-9	4.9	0.18	0.92	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.92	2.7	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.37	0.92	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.92	2.7	mg/kg	1
01195	Pyrene	129-00-0	33.	0.92	4.6	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	0.86 J	0.18	0.92	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.18	0.92	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.55	0.92	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.18	0.92	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.18	0.92	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	3.7	11.	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.92	2.7	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.37	0.92	mg/kg	1
03753	bis(2-Chloroethyl) ether	111-44-4	N.D.	0.18	0.92	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.18	0.92	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102243

Lancaster Laboratories Sample No. SW 4587043

05-MET-131 Grab Soil Sample

N(2'-2.5')

Former Metro Container Investigation

Collected: 08/18/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT131

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.18	0.92	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.18	0.92	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.18	0.92	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.18	0.92	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.18	0.92	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.18	0.92	mg/kg	1
03761	Naphthalene	91-20-3	0.62 J	0.18	0.92	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.37	0.92	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.92	2.7	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.18	0.92	mg/kg	1
03765	Acenaphthylene	208-96-8	0.29 J	0.18	0.92	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.37	0.92	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.18	0.92	mg/kg	1
03768	Fluorene	86-73-7	6.4	0.18	0.92	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.18	0.92	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.37	0.92	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.18	0.92	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.18	0.92	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.18	0.92	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.18	0.92	mg/kg	1
03775	Phenanthrene	85-01-8	41.	0.92	4.6	mg/kg	5
03776	Anthracene	120-12-7	9.8	0.18	0.92	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.37	0.92	mg/kg	1
03778	Fluoranthene	206-44-0	39.	0.92	4.6	mg/kg	5
03779	Benzidine	92-87-5	N.D.	3.7	11.	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	0.48 J	0.37	0.92	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	16.	0.18	0.92	mg/kg	1
03782	Chrysene	218-01-9	15.	0.18	0.92	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.55	1.8	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	1.2 J	0.37	1.8	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.37	0.92	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	18.	0.18	0.92	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	7.4	0.18	0.92	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	14.	0.18	0.92	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	7.1	0.18	0.92	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	2.0	0.18	0.92	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	7.6	0.18	0.92	mg/kg	1
Due to sample matrix interferences observed during the extraction, the							

\*=This limit was used in the evaluation of the final result

AR102244

**Lancaster Laboratories Sample No. SW 4587043**
**05-MET-131 Grab Soil Sample**
**N(2'-2.5')**
**Former Metro Container Investigation**

Collected: 08/18/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT131

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.54
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.54
02020	t-Butyl alcohol	75-65-0	N.D.	0.034	0.17	mg/kg	1.54
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.54
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.54
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.54
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.54
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.54
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.54
05450	Methylene Chloride	75-09-2	0.009	0.003	0.008	mg/kg	1.54
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.54
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.008	mg/kg	1.54
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.008	mg/kg	1.54
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.54
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.54
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.54
05460	Benzene	71-43-2	0.003 J	0.0008	0.008	mg/kg	1.54
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.54
05462	Trichloroethene	79-01-6	N.D.	0.002	0.008	mg/kg	1.54
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.54
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.54
05466	Toluene	108-88-3	0.01	0.002	0.008	mg/kg	1.54
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.54
05468	Tetrachloroethene	127-18-4	0.003 J	0.002	0.008	mg/kg	1.54
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.54
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	1.54
05474	Ethylbenzene	100-41-4	0.003 J	0.002	0.008	mg/kg	1.54
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.54
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.54
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.54
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.54
06301	Xylene (Total)	1330-20-7	0.003 J	0.002	0.008	mg/kg	1.54
07586	Acrolein	107-02-8	N.D.	0.034	0.17	mg/kg	1.54
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.034	mg/kg	1.54

\*=This limit was used in the evaluation of the final result

AR102245



**Lancaster Laboratories Sample No. SW 4587043**
**05-MET-131 Grab Soil Sample**
**N(2'-2.5')**
**Former Metro Container Investigation**

Collected: 08/18/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:52

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MT131

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:45	<span style="background-color: black; color: black;">[REDACTED]</span>	5
06925	Thallium	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06935	Arsenic	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06936	Selenium	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06944	Antimony	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06947	Beryllium	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06949	Cadmium	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06951	Chromium	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06953	Copper	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06955	Lead	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06961	Nickel	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06966	Silver	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06972	Zinc	SW-846 6010B	1	08/22/2005 21:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR102246

Lancaster Laboratories Sample No. SW 4587043

05-MET-131 Grab Soil Sample

N(2'-2.5')

Former Metro Container Investigation

Collected: 08/18/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT131

05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:10	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/24/2005 10:55	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 06:02	[REDACTED]	100
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 17:02	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 22:52	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 05:51	[REDACTED]	1.54
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 05:51	[REDACTED]	1.54
00381	BNA Soil Extraction	SW-846 3550B	1	08/19/2005 17:30	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:05	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:11	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/19/2005 13:11	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4587043  
 Sample wt/vol: 3.25 (g/mL) g      Lab File ID: HP09193.i/05aug25a.b/xg25s04.d  
 Level: (low/med) LOW      Date Received: 08/18/05  
 % Moisture: not dec. 9      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 71-36-3	1-Butanol	8.09	0.016	J
2.	Unknown	10.55	0.008	J
3.	Unknown siloxane	12.26	0.011	J B
4.				
5.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102248

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4587043  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0763.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 9 Decanted: (Y/N)                      Date Extracted: 08/19/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/23/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.138	.92	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	3.190	21	JAB
3.	!Naphthalene, 2-methyl-	6.178	1.2	JX
4.132-64-9	!Dibenzofuran	7.229	2.8	J
5.	!Dibenzofuran, 4-methyl-	7.647	2.1	JX
6.	!Fluoranthene, 2-methyl-	9.793	1.9	JX
7.	!3,4-Dihydrocyclopenta(cd)pyr	10.359	2.2	JX
8.	!7H-Benzo[c]carbazole	10.765	1.6	JX
9.	!Unknown	11.583	.94	J
10.	!Benzo[a]pyrene	11.613	2.6	JX
11.	!Unknown	11.693	1.8	J
12.	!Unknown	11.755	1.7	J
13.	!Benzo[a]pyrene	11.798	10	JX
14.	!Benz[e]acephenanthrylene	11.939	5.9	JX
15.	!Unknown	12.068	.90	J
16.	!Unknown	12.099	2.1	J
17.	!Unknown	12.234	1.8	J
18.	!Unknown	12.407	1.8	J
19.	!Unknown	12.566	2.7	J
20.	!Unknown	12.972	2.5	J
21.	!Benzo[b]triphenylene	13.095	2.2	JX
22.	!Dibenz[a,h]anthracene	13.427	1.7	JX
23.	!Dibenz[a,h]anthracene	13.483	1.3	JX
24.	!Unknown	13.513	1.7	J
25.	!Benzo[ghi]perylene	13.882	2.5	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102249

Lancaster Laboratories Sample No. SW 4587044

05-MET-012S Grab Soil Sample

N(1.0'-1.5')

Former Metro Container Investigation

Collected: 08/18/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:53

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT12S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0029	0.108	mg/kg	1
06925	Thallium	7440-28-0	2.81	1.02	2.13	mg/kg	1
06935	Arsenic	7440-38-2	7.80	0.715	2.13	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.02	2.13	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.875	2.13	mg/kg	1
06947	Beryllium	7440-41-7	0.925	0.0459	0.534	mg/kg	1
06949	Cadmium	7440-43-9	0.502 J	0.0918	0.534	mg/kg	1
06951	Chromium	7440-47-3	22.4	0.566	1.60	mg/kg	1
06953	Copper	7440-50-8	51.6	0.320	1.07	mg/kg	1
06955	Lead	7439-92-1	53.9	0.832	2.13	mg/kg	1
06961	Nickel	7440-02-0	17.2	0.352	1.07	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.203	0.534	mg/kg	1
06972	Zinc	7440-66-6	77.0	0.491	2.13	mg/kg	1
00111	Moisture	n.a.	9.9	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.20	0.55	mg/kg	1
05912	Phenols	n.a.	N.D.	1.3	3.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00189	0.00921	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00189	0.00921	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00189	0.00921	mg/kg	10
01221	p,p-DDT	50-29-3	0.0218	0.00366	0.0189	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00366	0.0189	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00366	0.0189	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0189	0.0921	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00189	0.00921	mg/kg	10
01982	Beta BHC	319-85-7	0.00278 J	0.00189	0.00921	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00233	0.00921	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00189	0.00921	mg/kg	10
01985	p,p-DDE	72-55-9	0.0125 J	0.00366	0.0189	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00366	0.0189	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0444	0.189	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.122	0.366	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00189	0.00921	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00366	0.0189	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00366	0.0189	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00366	0.0189	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102250

**Lancaster Laboratories Sample No. SW 4587044**
**05-MET-012S Grab Soil Sample**
**N(1.0'-1.5')**
**Former Metro Container Investigation**

Collected: 08/18/2005 10:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:53

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT12S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0821	0.189	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0366	0.189	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0533	0.189	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0333	0.189	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.122	0.366	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0366	0.189	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.122	0.366	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.11	0.55	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.037	0.18	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.037	0.18	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.037	0.18	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.037	0.18	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.037	0.18	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.074	0.18	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.037	0.18	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.18	0.55	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.074	0.18	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.18	0.55	mg/kg	1
01195	Pyrene	129-00-0	0.37	0.037	0.18	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.037	0.18	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.037	0.18	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.11	0.18	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.037	0.18	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.037	0.18	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.74	2.2	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.18	0.55	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.074	0.18	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.037	0.18	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.037	0.18	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.037	0.18	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.037	0.18	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.037	0.18	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.037	0.18	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.037	0.18	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.037	0.18	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.037	0.18	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102251

**Lancaster Laboratories Sample No. SW 4587044**
**05-MET-012S Grab Soil Sample**
**N(1.0'-1.5')**
**Former Metro Container Investigation**

Collected: 08/18/2005 10:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:53

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT12S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.074	0.18	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.18	0.55	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.037	0.18	mg/kg	1
03765	Acenaphthylene	208-96-8	0.046 J	0.037	0.18	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.074	0.18	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.037	0.18	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.037	0.18	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.037	0.18	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.074	0.18	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.037	0.18	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.037	0.18	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.037	0.18	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.037	0.18	mg/kg	1
03775	Phenanthrene	85-01-8	0.29	0.037	0.18	mg/kg	1
03776	Anthracene	120-12-7	0.059 J	0.037	0.18	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.074	0.18	mg/kg	1
03778	Fluoranthene	206-44-0	0.37	0.037	0.18	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.74	2.2	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.074	0.18	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.24	0.037	0.18	mg/kg	1
03782	Chrysene	218-01-9	0.43	0.037	0.18	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.11	0.37	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	12.	0.37	1.8	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.074	0.18	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.48	0.037	0.18	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.20	0.037	0.18	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.32	0.037	0.18	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.21	0.037	0.18	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.14 J	0.037	0.18	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.32	0.037	0.18	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.011	mg/kg	1.95
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.011	mg/kg	1.95

\*=This limit was used in the evaluation of the final result

AR102252

Lancaster Laboratories Sample No. SW 4587044

05-MET-012S Grab Soil Sample

N(1.0'-1.5')

Former Metro Container Investigation

Collected: 08/18/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:53

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MT12S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.043	0.22	mg/kg	1.95
05444	Chloromethane	74-87-3	N.D.	0.004	0.011	mg/kg	1.95
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.011	mg/kg	1.95
05446	Bromomethane	74-83-9	N.D.	0.004	0.011	mg/kg	1.95
05447	Chloroethane	75-00-3	N.D.	0.004	0.011	mg/kg	1.95
05448	Trichlorofluoromethane	75-69-4	N.D.	0.004	0.011	mg/kg	1.95
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.011	mg/kg	1.95
05450	Methylene Chloride	75-09-2	N.D.	0.004	0.011	mg/kg	1.95
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.011	mg/kg	1.95
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.011	mg/kg	1.95
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.011	mg/kg	1.95
05455	Chloroform	67-66-3	N.D.	0.002	0.011	mg/kg	1.95
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.011	mg/kg	1.95
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.011	mg/kg	1.95
05460	Benzene	71-43-2	0.005 J	0.001	0.011	mg/kg	1.95
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.011	mg/kg	1.95
05462	Trichloroethene	79-01-6	N.D.	0.002	0.011	mg/kg	1.95
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.011	mg/kg	1.95
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.011	mg/kg	1.95
05466	Toluene	108-88-3	N.D.	0.002	0.011	mg/kg	1.95
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.011	mg/kg	1.95
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.011	mg/kg	1.95
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.011	mg/kg	1.95
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.011	mg/kg	1.95
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.011	mg/kg	1.95
05478	Bromoform	75-25-2	N.D.	0.002	0.011	mg/kg	1.95
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.011	mg/kg	1.95
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.011	mg/kg	1.95
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.011	mg/kg	1.95
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.011	mg/kg	1.95
07586	Acrolein	107-02-8	N.D.	0.043	0.22	mg/kg	1.95
07587	Acrylonitrile	107-13-1	N.D.	0.009	0.043	mg/kg	1.95

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported

\*=This limit was used in the evaluation of the final result

AR102253



Lancaster Laboratories Sample No. SW 4587044

05-MET-012S Grab Soil Sample

N(1.0'-1.5')

Former Metro Container Investigation

Collected: 08/18/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:53

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MT12S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:27	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/22/2005 21:05	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:11	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/24/2005 10:56	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 06:22	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 17:24	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 23:14	[REDACTED]	5

\*=This limit was used in the evaluation of the final result

AR102254

**Lancaster Laboratories Sample No. SW 4587044**

**05-MET-012S Grab Soil Sample**

**N(1.0'-1.5')**

**Former Metro Container Investigation**

Collected: 08/18/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 09/02/2005 at 08:53

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MT12S

06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 10:51	[REDACTED]	1.95
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 10:51	[REDACTED]	1.95
00381	BNA Soil Extraction	SW-846 3550B	1	08/19/2005 17:30	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:07	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:12	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/19/2005 13:12	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4587044  
 Sample wt/vol: 2.56 (g/mL) g      Lab File ID: HP09193.i/05aug25a.b/xg25s26.d  
 Level: (low/med) LOW      Date Received: 08/18/05  
 % Moisture: not dec. 10      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	0.26	J
2.	Unknown siloxane	12.26	0.032	J B
3.				
4.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102256

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4587044  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0764.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 10 Decanted: (Y/N)                      Date Extracted: 08/19/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	2.839	.23	JA
2.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.202	.15	JAB
3.	!Unknown	4.776	.22	J
4.	!Unknown	5.342	.21	J
5.	!Unknown	5.821	.21	J
6.	!Naphthalene, 2,3-dimethyl-	6.768	.24	JX
7.	!Unknown Alkane	7.408	.35	J
8.	!Unknown Alkane	7.807	.23	J
9.	!Unknown Alkane	8.182	.45	J
10.	!Unknown Alkane	8.539	.36	J
11.	!Unknown Alkane	8.883	.52	J
12.	!Unknown	8.976	.21	J
13.	!Unknown Alkane	9.209	.78	J
14.	!Diisooctyl adipate	10.095	.26	JX
15.	!Unknown	11.269	.51	J
16.	!Benzo[c]phenanthrene, 5,8-di	11.300	.27	JX
17.	!Unknown	11.361	.75	J
18.	!Unknown	11.392	.38	J
19.	!Unknown	11.423	.26	J
20.	!Unknown	11.453	.65	J
21.	!Unknown Alkane	11.589	.64	J
22.	!Unknown	11.724	.99	J
23.	!Benzo[e]pyrene	11.792	.47	JX
24.	!Unknown	12.357	.23	J
25.	!Unknown	13.101	.21	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102257

**Lancaster Laboratories Sample No. SW 4587045**
**05-MET-030 Grab Soil Sample**
**N(6.75-7.25)**
**Former Metro Container Investigation**

Collected: 08/18/2005 08:30

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET30

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0032	0.119	mg/kg	1
06925	Thallium	7440-28-0	1.64 J	1.12	2.34	mg/kg	1
06935	Arsenic	7440-38-2	2.70	0.784	2.34	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.12	2.34	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.959	2.34	mg/kg	1
06947	Beryllium	7440-41-7	0.659	0.0503	0.585	mg/kg	1
06949	Cadmium	7440-43-9	0.179 J	0.101	0.585	mg/kg	1
06951	Chromium	7440-47-3	23.1	0.620	1.75	mg/kg	1
06953	Copper	7440-50-8	9.15	0.351	1.17	mg/kg	1
06955	Lead	7439-92-1	4.99	0.912	2.34	mg/kg	1
06961	Nickel	7440-02-0	18.0	0.386	1.17	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.222	0.585	mg/kg	1
06972	Zinc	7440-66-6	72.0	0.538	2.34	mg/kg	1
00111	Moisture	n.a.	17.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.60	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000207	0.00101	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000207	0.00101	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000207	0.00101	mg/kg	1
01221	p,p-DDT	50-29-3	0.000554 J	0.000401	0.00207	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000401	0.00207	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000401	0.00207	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00207	0.0101	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000207	0.00101	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000207	0.00101	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000255	0.00101	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000207	0.00101	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000401	0.00207	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000401	0.00207	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00487	0.0207	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0134	0.0401	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000207	0.00101	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000401	0.00207	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000401	0.00207	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000401	0.00207	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102258

**Lancaster Laboratories Sample No. SW 4587045**

**05-MET-030 Grab Soil Sample**

**N(6.75-7.25)**

**Former Metro Container Investigation**

Collected: 08/18/2005 08:30

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET30

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00900	0.0207	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00401	0.0207	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00584	0.0207	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00365	0.0207	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0134	0.0401	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00401	0.0207	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0134	0.0401	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.61	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.081	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.041	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.61	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.081	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.61	mg/kg	1
01195	Pyrene	129-00-0	1.3	0.041	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.041	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.81	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.61	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.081	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.041	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.081	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.61	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102259

**Lancaster Laboratories Sample No. SW 4587045**
**05-MET-030 Grab Soil Sample**
**N(6.75-7.25)**
**Former Metro Container Investigation**

Collected: 08/18/2005 08:30

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET30

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.081	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.20	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.041	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.081	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.041	0.20	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.041	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.081	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	0.20 J	0.041	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.81	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.081	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.2	0.041	0.20	mg/kg	1
03782	Chrysene	218-01-9	1.3	0.041	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.34 J	0.081	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.081	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.27	0.041	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.091 J	0.041	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.30	0.041	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.076 J	0.041	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.22	0.041	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.086 J	0.041	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.89
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.89
02020	t-Butyl alcohol	75-65-0	N.D.	0.022	0.11	mg/kg	0.89
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.89

\*=This limit was used in the evaluation of the final result

AR102260

Lancaster Laboratories Sample No. SW 4587045

05-MET-030 Grab Soil Sample

N(6.75-7.25)

Former Metro Container Investigation

Collected: 08/18/2005 08:30

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET30

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.89
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.89
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.89
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.89
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.89
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.005	mg/kg	0.89
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.89
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	0.89
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.89
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.89
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.89
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.89
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	0.89
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.89
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.89
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.89
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.89
05466	Toluene	108-88-3	N.D.	0.001	0.005	mg/kg	0.89
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.89
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.89
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.89
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.89
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.005	mg/kg	0.89
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.89
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.89
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.89
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.89
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	mg/kg	0.89
07586	Acrolein	107-02-8	N.D.	0.022	0.11	mg/kg	0.89
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.022	mg/kg	0.89

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102261



**Lancaster Laboratories Sample No. SW 4587045**
**05-MET-030 Grab Soil Sample**
**N(6.75-7.25)**
**Former Metro Container Investigation**

Collected: 08/18/2005 08:30

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET30

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:40		1
06925	Thallium	SW-846 6010B	1	08/22/2005 21:10		1
06935	Arsenic	SW-846 6010B	1	08/22/2005 21:10		1
06936	Selenium	SW-846 6010B	1	08/22/2005 21:10		1
06944	Antimony	SW-846 6010B	1	08/22/2005 21:10		1
06947	Beryllium	SW-846 6010B	1	08/22/2005 21:10		1
06949	Cadmium	SW-846 6010B	1	08/22/2005 21:10		1
06951	Chromium	SW-846 6010B	1	08/22/2005 21:10		1
06953	Copper	SW-846 6010B	1	08/22/2005 21:10		1
06955	Lead	SW-846 6010B	1	08/22/2005 21:10		1
06961	Nickel	SW-846 6010B	1	08/22/2005 21:10		1
06966	Silver	SW-846 6010B	1	08/22/2005 21:10		1
06972	Zinc	SW-846 6010B	1	08/22/2005 21:10		1
00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:12		1
05912	Phenols	SW846 9066	1	08/24/2005 10:58		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 06:43		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 17:46		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 07:46		0.89
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 07:46		0.89
00381	BNA Soil Extraction	SW-846 3550B	1	08/19/2005 17:30		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:15		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:13		n.a.

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8

Lancaster Laboratories Sample No. SW 4587045

05-MET-030 Grab Soil Sample

N(6.75-7.25)

Former Metro Container Investigation

Collected: 08/18/2005 08:30

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET30

08389 GC/MS - LL Encore Prep

SW-846 5035

2 08/19/2005 13:13

n.a.

\*=This limit was used in the evaluation of the final result

AR102263

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4587045  
 Sample wt/vol: 5.63 (g/mL) g      Lab File ID: HP09193.i/05aug25a.b/xg25s09.d  
 Level: (low/med) LOW      Date Received: 08/18/05  
 % Moisture: not dec. 18      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	13.02	0.14	J
2.	!Unknown	13.54	0.19	J
3.	!Unknown	13.67	0.14	J
4.	!Unknown	13.70	0.091	J
5.	!Unknown	13.75	0.20	J
6.	!Unknown	13.86	0.095	J
7.	!Unknown	13.90	0.095	J
8.	!Unknown	13.95	0.17	J
9.	!Unknown	14.06	0.13	J
10.	!Unknown	14.13	0.089	J
11.	!Unknown	14.15	0.21	J
12.	!Unknown	14.22	0.17	J
13.	!Unknown	14.33	0.14	J
14.	!Unknown	14.41	0.12	J
15.	!Unknown	14.65	0.11	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
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29.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102264

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4587045  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0765.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/19/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	3.337	5.8	J
2.	!Unknown	4.130	5.8	J
3.	!Unknown	5.926	1.1	J
4.	!Unknown Alkane	6.147	1.6	J
5.	!Unknown	6.289	.94	J
6.	!Unknown	6.399	1.2	J
7.	!Unknown	6.645	1.6	J
8.	!Unknown	6.744	1.2	J
9.	!Unknown	6.891	1.1	J
10.	!Unknown	6.971	2.7	J
11.	!Unknown	7.322	.91	J
12.	!Unknown	7.401	.94	J
13.	!Unknown	7.518	.98	J
14.	!Unknown	7.943	.97	J
15.	!Unknown	8.145	1.9	J
16.	!Unknown	8.453	2.5	J
17.	!Unknown	8.785	2.4	J
18.	!Unknown	9.228	1.7	J
19.	!Benz[a]anthracene, 1-methyl-	10.918	.89	JX
20.	!4,5,11,12-Tetrahydrobenzo[A]	11.275	1.9	JX
21.	!Unknown	11.306	2.5	J
22.	!Benzo[c]phenanthrene, 5,8-di	11.349	1.0	JX
23.	!Unknown	11.373	1.3	J
24.	!Unknown	11.417	1.0	J
25.	!Unknown	11.435	1.6	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102265

**Lancaster Laboratories Sample No. SW 4587046**
**05-MET-036 Grab Soil Sample**
**N(15.5-16)**
**Former Metro Container Investigation**

Collected: 08/18/2005 10:00

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET36

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0132 J	0.0031	0.115	mg/kg	1
06925	Thallium	7440-28-0	2.73	1.13	2.36	mg/kg	1
06935	Arsenic	7440-38-2	2.37	0.790	2.36	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.13	2.36	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.967	2.36	mg/kg	1
06947	Beryllium	7440-41-7	0.671	0.0507	0.590	mg/kg	1
06949	Cadmium	7440-43-9	0.339 J	0.101	0.590	mg/kg	1
06951	Chromium	7440-47-3	29.8	0.625	1.77	mg/kg	1
06953	Copper	7440-50-8	12.4	0.354	1.18	mg/kg	1
06955	Lead	7439-92-1	6.93	0.920	2.36	mg/kg	1
06961	Nickel	7440-02-0	18.8	0.389	1.18	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.224	0.590	mg/kg	1
06972	Zinc	7440-66-6	40.1	0.543	2.36	mg/kg	1
00111	Moisture	n.a.	18.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.58	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00209	0.0102	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00209	0.0102	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00209	0.0102	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.00405	0.0209	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00405	0.0209	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00405	0.0209	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0209	0.102	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00209	0.0102	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00209	0.0102	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00258	0.0102	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00209	0.0102	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00405	0.0209	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.00405	0.0209	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0491	0.209	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.135	0.405	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00209	0.0102	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00405	0.0209	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00405	0.0209	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00405	0.0209	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102266

**Lancaster Laboratories Sample No. SW 4587046**

**05-MET-036 Grab Soil Sample  
N(15.5-16)  
Former Metro Container Investigation**

Collected: 08/18/2005 10:00

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 09/02/2005 at 08:54  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET36

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0908	0.209	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0405	0.209	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0589	0.209	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0368	0.209	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.135	0.405	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.0405	0.209	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.135	0.405	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.61	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.082	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.041	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.61	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.082	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.61	mg/kg	1
01195	Pyrene	129-00-0	5.2	0.082	0.41	mg/kg	2
02751	1-Methylnaphthalene	90-12-0	N.D.	0.041	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.82	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.61	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.082	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102267

Lancaster Laboratories Sample No. SW 4587046

05-MET-036 Grab Soil Sample

N(15.5-16)

Former Metro Container Investigation

Collected: 08/18/2005 10:00

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET36

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.041	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.082	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.61	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.082	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.20	mg/kg	1
03768	Fluorene	86-73-7	0.10 J	0.041	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.082	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.041	0.20	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.041	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.082	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	0.85	0.041	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.82	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.082	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	6.8	0.082	0.41	mg/kg	2
03782	Chrysene	218-01-9	2.4	0.041	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.082	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.082	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	1.4	0.041	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.041	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	1.8	0.041	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.49	0.041	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.95	0.041	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.64	0.041	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.8
07584	PPL Volatiles						

\*This limit was used in the evaluation of the final result

AR102268

Lancaster Laboratories Sample No. SW 4587046

05-MET-036 Grab Soil Sample  
N(15.5-16)  
Former Metro Container Investigation

Collected: 08/18/2005 10:00

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 09/02/2005 at 08:54  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET36

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.8
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	0.098	mg/kg	0.8
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.8
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.8
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.8
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.8
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.8
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.8
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.005	mg/kg	0.8
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.8
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	0.8
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.8
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.8
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.8
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.8
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	0.8
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.8
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.8
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.8
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.8
05466	Toluene	108-88-3	N.D.	0.001	0.005	mg/kg	0.8
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.8
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.8
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.8
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.8
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.005	mg/kg	0.8
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.8
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.8
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.8
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.8
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	mg/kg	0.8
07586	Acrolein	107-02-8	N.D.	0.020	0.098	mg/kg	0.8
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.020	mg/kg	0.8

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102269



Lancaster Laboratories Sample No. SW 4587046

05-MET-036 Grab Soil Sample

N(15.5-16)

Former Metro Container Investigation

Collected: 08/18/2005 10:00

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET36

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:41		1
06925	Thallium	SW-846 6010B	1	08/22/2005 21:15		1
06935	Arsenic	SW-846 6010B	1	08/22/2005 21:15		1
06936	Selenium	SW-846 6010B	1	08/22/2005 21:15		1
06944	Antimony	SW-846 6010B	1	08/22/2005 21:15		1
06947	Beryllium	SW-846 6010B	1	08/22/2005 21:15		1
06949	Cadmium	SW-846 6010B	1	08/22/2005 21:15		1
06951	Chromium	SW-846 6010B	1	08/22/2005 21:15		1
06953	Copper	SW-846 6010B	1	08/22/2005 21:15		1
06955	Lead	SW-846 6010B	1	08/22/2005 21:15		1
06961	Nickel	SW-846 6010B	1	08/22/2005 21:15		1
06966	Silver	SW-846 6010B	1	08/22/2005 21:15		1
06972	Zinc	SW-846 6010B	1	08/22/2005 21:15		1
00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:13		1
05912	Phenols	SW846 9066	1	08/24/2005 10:59		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 07:04		10
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 18:09		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 23:36		2
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 08:08		0.8
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 08:08		0.8
00381	BNA Soil Extraction	SW-846 3550B	1	08/19/2005 17:30		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55		1

\*=This limit was used in the evaluation of the final result

AR102270

**Lancaster Laboratories Sample No. SW 4587046**

**05-MET-036 Grab Soil Sample**

**N(15.5-16)**

**Former Metro Container Investigation**

Collected: 08/18/2005 10:00

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

**MET36**

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:09		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:14		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/19/2005 13:14		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4587046  
 Sample wt/vol: 6.26 (g/mL) g      Lab File ID: HP09193.i/05aug25a.b/xg25s10.d  
 Level: (low/med) LOW      Date Received: 08/18/05  
 % Moisture: not dec. 18      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.91	0.038	J
2.	!Unknown	13.30	0.047	J
3.	!Unknown	13.43	0.027	J
4.	!Unknown	13.54	0.035	J
5.	!Unknown	13.75	0.034	J
6.	!Unknown	13.90	0.026	J
7.	!Unknown aromatic	14.06	0.03	J
8.	!Unknown	14.15	0.046	J
9.	!Unknown	14.21	0.035	J
10.	!Unknown	14.28	0.036	J
11.	!Unknown	14.31	0.03	J
12.	!Unknown aromatic	14.41	0.037	J
13.	!Unknown	14.65	0.031	J
14.	!Unknown aromatic	14.69	0.025	J
15.	!Unknown	14.94	0.028	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102272

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4587046  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0766.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/19/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.196	14	JAB
2.	Naphthalene, 1-(1,1-dimethyl	7.746	3.5	JX
3.	Unknown	7.943	3.4	J
4.	Unknown	8.422	4.1	J
5.	Unknown	8.453	4.1	J
6.	Unknown	8.508	7.6	J
7.	Unknown	8.760	5.2	J
8.	Unknown	8.791	5.3	J
9.	Unknown	8.828	3.6	J
10.	Unknown Alkane	8.847	4.5	J
11.	Unknown	9.099	6.2	J
12.	Unknown	9.123	4.2	J
13.	Anthracene, 2-ethyl-	9.154	4.6	JX
14.	Unknown	9.203	4.6	J
15.	Unknown	9.222	3.8	J
16.	Unknown	9.289	5.2	J
17.	Unknown	9.400	9.0	J
18.	Unknown Alkane	9.437	8.6	J
19.	Unknown	9.498	7.4	J
20.	11H-Benzo[b]fluorene	9.732	9.9	JX
21.	1,4-Dimethyl-2-phenyl-naphth	9.775	7.9	JX
22.	Fluoranthene, 2-methyl-	9.800	8.5	JX
23.	Pyrene, 1,3-dimethyl-	10.365	7.4	JX
24.	Chrysene, 3-methyl-	10.962	15	JX
25.	Benzo[c]phenanthrene, 5,8-di	11.355	5.6	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102273

Lancaster Laboratories Sample No. SW 4587047

05-MET-035 Grab Soil Sample

N(6.5-7.0)

Former Metro Container Investigation

Collected: 08/18/2005 11:00

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET35

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0037	0.138	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.30	2.72	mg/kg	1
06935	Arsenic	7440-38-2	2.04 J	0.910	2.72	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.30	2.72	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.11	2.72	mg/kg	1
06947	Beryllium	7440-41-7	N.D.	0.0584	0.679	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.117	0.679	mg/kg	1
06951	Chromium	7440-47-3	N.D.	0.720	2.04	mg/kg	1
06953	Copper	7440-50-8	1.62	0.407	1.36	mg/kg	1
06955	Lead	7439-92-1	26.6	1.06	2.72	mg/kg	1
06961	Nickel	7440-02-0	N.D.	0.448	1.36	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.258	0.679	mg/kg	1
06972	Zinc	7440-66-6	3.37	0.625	2.72	mg/kg	1
00111	Moisture	n.a.	29.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.25	0.71	mg/kg	1
05912	Phenols	n.a.	N.D.	1.7	4.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0240	0.117	mg/kg	100
01219	Heptachlor	76-44-8	N.D.	0.0240	0.117	mg/kg	100
01220	Aldrin	309-00-2	N.D.	0.0240	0.117	mg/kg	100
01221	p,p-DDT	50-29-3	N.D.	0.0466	0.240	mg/kg	100
01222	Dieldrin	60-57-1	N.D.	0.0466	0.240	mg/kg	100
01223	Endrin	72-20-8	0.0666 J	0.0466	0.240	mg/kg	100
01859	Methoxychlor	72-43-5	N.D.	0.240	1.17	mg/kg	100
01981	Alpha BHC	319-84-6	N.D.	0.0240	0.117	mg/kg	100
01982	Beta BHC	319-85-7	N.D.	0.0240	0.117	mg/kg	100
01983	Delta BHC	319-86-8	N.D.	0.0297	0.117	mg/kg	100
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0240	0.117	mg/kg	100
01985	p,p-DDE	72-55-9	N.D.	0.0466	0.240	mg/kg	100
01986	p,p-DDD	72-54-8	N.D.	0.0466	0.240	mg/kg	100
01987	Chlordane	57-74-9	N.D.	0.565	2.40	mg/kg	100
01988	Toxaphene	8001-35-2	N.D.	1.55	4.66	mg/kg	100
01989	Endosulfan I	959-98-8	N.D.	0.0240	0.117	mg/kg	100
01990	Endosulfan II	33213-65-9	N.D.	0.0466	0.240	mg/kg	100
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0466	0.240	mg/kg	100
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0466	0.240	mg/kg	100

\*=This limit was used in the evaluation of the final result

AR102274

**Lancaster Laboratories Sample No. SW 4587047**
**05-MET-035 Grab Soil Sample**
**N(6.5-7.0)**
**Former Metro Container Investigation**

Collected: 08/18/2005 11:00

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET35

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	1.05	2.40	mg/kg	100
01994	PCB-1221	11104-28-2	N.D.	0.466	2.40	mg/kg	100
01995	PCB-1232	11141-16-5	N.D.	0.678	2.40	mg/kg	100
01996	PCB-1242	53469-21-9	N.D.	0.424	2.40	mg/kg	100
01997	PCB-1248	12672-29-6	N.D.	1.55	4.66	mg/kg	100
01998	PCB-1254	11097-69-1	N.D.	0.466	2.40	mg/kg	100
01999	PCB-1260	11096-82-5	N.D.	1.55	4.66	mg/kg	100

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	7.1	35.	mg/kg	5
01185	Phenol	108-95-2	N.D.	2.4	12.	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	2.4	12.	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	2.4	12.	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	2.4	12.	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	2.4	12.	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	4.7	12.	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	2.4	12.	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	12.	35.	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	4.7	12.	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	12.	35.	mg/kg	5
01195	Pyrene	129-00-0	45.	2.4	12.	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	3.9 J	2.4	12.	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	2.4	12.	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	7.1	12.	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	2.4	12.	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	2.4	12.	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	47.	140.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	12.	35.	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	4.7	12.	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	2.4	12.	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	2.4	12.	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	2.4	12.	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	2.4	12.	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	2.4	12.	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	2.4	12.	mg/kg	5
03759	Isophorone	78-59-1	N.D.	2.4	12.	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102275

**Lancaster Laboratories Sample No. SW 4587047**
**05-MET-035 Grab Soil Sample**
**N(6.5-7.0)**
**Former Metro Container Investigation**

Collected: 08/18/2005 11:00

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET35

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	2.4	12.	mg/kg	5
03761	Naphthalene	91-20-3	3.5 J	2.4	12.	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	4.7	12.	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	12.	35.	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	2.4	12.	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	2.4	12.	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	4.7	12.	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	2.4	12.	mg/kg	5
03768	Fluorene	86-73-7	N.D.	2.4	12.	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	2.4	12.	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	4.7	12.	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	2.4	12.	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	2.4	12.	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	2.4	12.	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	2.4	12.	mg/kg	5
03775	Phenanthrene	85-01-8	20.	2.4	12.	mg/kg	5
03776	Anthracene	120-12-7	6.3 J	2.4	12.	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	4.7	12.	mg/kg	5
03778	Fluoranthene	206-44-0	9.8 J	2.4	12.	mg/kg	5
03779	Benzidine	92-87-5	N.D.	47.	140.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	4.7	12.	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	68.	2.4	12.	mg/kg	5
03782	Chrysene	218-01-9	85.	2.4	12.	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	7.1	24.	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	4.7	24.	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	4.7	12.	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	21.	2.4	12.	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	N.D.	2.4	12.	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	38.	2.4	12.	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	11. J	2.4	12.	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	15.	2.4	12.	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	20.	2.4	12.	mg/kg	5

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR102276

**Lancaster Laboratories Sample No. SW 4587047**
**05-MET-035 Grab Soil Sample**
**N(6.5-7.0)**
**Former Metro Container Investigation**

Collected: 08/18/2005 11:00

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET35

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.059	0.29	mg/kg	41.6
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.029	0.29	mg/kg	41.6
02020	t-Butyl alcohol	75-65-0	N.D.	1.2	5.9	mg/kg	41.6
05444	Chloromethane	74-87-3	N.D.	0.12	0.29	mg/kg	41.6
05445	Vinyl Chloride	75-01-4	N.D.	0.059	0.29	mg/kg	41.6
05446	Bromomethane	74-83-9	N.D.	0.12	0.29	mg/kg	41.6
05447	Chloroethane	75-00-3	N.D.	0.12	0.29	mg/kg	41.6
05448	Trichlorofluoromethane	75-69-4	N.D.	0.12	0.29	mg/kg	41.6
05449	1,1-Dichloroethene	75-35-4	N.D.	0.059	0.29	mg/kg	41.6
05450	Methylene Chloride	75-09-2	N.D.	0.12	0.29	mg/kg	41.6
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.059	0.29	mg/kg	41.6
05452	1,1-Dichloroethane	75-34-3	N.D.	0.059	0.29	mg/kg	41.6
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.059	0.29	mg/kg	41.6
05455	Chloroform	67-66-3	N.D.	0.059	0.29	mg/kg	41.6
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.059	0.29	mg/kg	41.6
05458	Carbon Tetrachloride	56-23-5	N.D.	0.059	0.29	mg/kg	41.6
05460	Benzene	71-43-2	0.037 J	0.029	0.29	mg/kg	41.6
05461	1,2-Dichloroethane	107-06-2	N.D.	0.059	0.29	mg/kg	41.6
05462	Trichloroethene	79-01-6	N.D.	0.059	0.29	mg/kg	41.6
05463	1,2-Dichloropropane	78-87-5	N.D.	0.059	0.29	mg/kg	41.6
05465	Bromodichloromethane	75-27-4	N.D.	0.059	0.29	mg/kg	41.6
05466	Toluene	108-88-3	0.45	0.059	0.29	mg/kg	41.6
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.059	0.29	mg/kg	41.6
05468	Tetrachloroethene	127-18-4	N.D.	0.059	0.29	mg/kg	41.6
05470	Dibromochloromethane	124-48-1	N.D.	0.059	0.29	mg/kg	41.6
05472	Chlorobenzene	108-90-7	N.D.	0.059	0.29	mg/kg	41.6
05474	Ethylbenzene	100-41-4	0.63	0.059	0.29	mg/kg	41.6
05478	Bromoform	75-25-2	N.D.	0.059	0.29	mg/kg	41.6
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.059	0.29	mg/kg	41.6
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.059	0.29	mg/kg	41.6
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.059	0.29	mg/kg	41.6
06301	Xylene (Total)	1330-20-7	3.1	0.059	0.29	mg/kg	41.6
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.12	0.59	mg/kg	41.6
07586	Acrolein	107-02-8	N.D.	1.2	5.9	mg/kg	41.6
07587	Acrylonitrile	107-13-1	N.D.	0.24	1.2	mg/kg	41.6

\*=This limit was used in the evaluation of the final result

AR102277



Lancaster Laboratories Sample No. SW 4587047

05-MET-035 Grab Soil Sample

N(6.5-7.0)

Former Metro Container Investigation

Collected: 08/18/2005 11:00

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET35

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:42		1
06925	Thallium	SW-846 6010B	1	08/22/2005 21:21		1
06935	Arsenic	SW-846 6010B	1	08/22/2005 21:21		1
06936	Selenium	SW-846 6010B	1	08/22/2005 21:21		1
06944	Antimony	SW-846 6010B	1	08/22/2005 21:21		1
06947	Beryllium	SW-846 6010B	1	08/22/2005 21:21		1
06949	Cadmium	SW-846 6010B	1	08/22/2005 21:21		1
06951	Chromium	SW-846 6010B	1	08/22/2005 21:21		1
06953	Copper	SW-846 6010B	1	08/22/2005 21:21		1
06955	Lead	SW-846 6010B	1	08/22/2005 21:21		1
06961	Nickel	SW-846 6010B	1	08/22/2005 21:21		1
06966	Silver	SW-846 6010B	1	08/22/2005 21:21		1
06972	Zinc	SW-846 6010B	1	08/22/2005 21:21		1

\*=This limit was used in the evaluation of the final result

AR102278

Lancaster Laboratories Sample No. SW 4587047

05-MET-035 Grab Soil Sample

N(6.5-7.0)

Former Metro Container Investigation

Collected: 08/18/2005 11:00

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

## MET35

00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:14		1
05912	Phenols	SW846 9066	1	08/24/2005 11:00		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 07:24		100
04688	PPL Semivolatiles	SW-846 8270C	1	08/23/2005 23:58		5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 15:07		41.6
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 15:07		41.6
00381	BNA Soil Extraction	SW-846 3550B	1	08/19/2005 17:30		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/23/2005 14:55		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:10		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:15		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/19/2005 13:15		n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4587047  
 Sample wt/vol: 6.01 (g/mL) g Lab File ID: HP07536.i/05aug25b.b/qg25s02.d  
 Level: (low/med) MED Date Received: 08/18/05  
 % Moisture: not dec. 29 Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP Dilution Factor: 41.6  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.58	1.7	J
2.	!Unknown alkane	12.63	2.0	J
3.	!Unknown aromatic	12.80	0.73	J
4.	!Unknown aromatic	12.93	2.0	J
5.	!Unknown aromatic	13.39	0.90	J
6.	!Unknown aromatic	13.42	1.1	J
7.	!Unknown alkane	13.48	0.98	J
8.	!Unknown aromatic	13.79	0.81	J
9.	!Unknown aromatic	14.21	1.3	J
10.	!Unknown aromatic	14.31	1.2	J
11.	!Unknown aromatic	14.62	1.1	J
12. 91-20-3	!Naphthalene	14.75	1.1	J
13.	!Unknown aromatic	14.83	0.68	J
14.	!Unknown aromatic	15.53	1.5	J
15.	!Unknown aromatic	15.69	0.76	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102280

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4587047  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0782.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 29 Decanted: (Y/N)                      Date Extracted: 08/19/05  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/23/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	7.783	1600	J
2.	!Unknown Alkane	8.158	350	J
3.	!Unknown Alkane	8.514	490	J
4.	!Unknown Alkane	8.859	630	J
5.	!Unknown Alkane	9.185	740	J
6.	!Unknown Alkane	9.498	800	J
7.	!Unknown Alkane	9.603	240	J
8.	!Unknown Alkane	9.683	180	J
9.	!Unknown Alkane	9.800	760	J
10.	!Unknown Alkane	9.904	300	J
11.	!Unknown Alkane	10.095	740	J
12.	!Unknown Alkane	10.199	490	J
13.	!Unknown Alkane	10.279	250	J
14.	!Unknown Alkane	10.310	200	J
15.	!Unknown Alkane	10.390	550	J
16.	!Unknown Alkane	10.482	460	J
17.	!Unknown Alkane	10.599	180	J
18.	!Unknown Alkane	10.673	490	J
19.	!Unknown Alkane	10.765	470	J
20.	!Triphenylene, 2-methyl-	10.882	290	JX
21.	!Unknown Alkane	10.955	330	J
22.	!Unknown Alkane	11.042	420	J
23.	!Unknown Alkane	11.238	530	J
24.	!Unknown Alkane	11.331	580	J
25.	!Unknown Alkane	11.650	410	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102281

**Lancaster Laboratories Sample No. SW 4587048**
**05-MET-034 Grab Soil Sample**
**N(12.75-13.25)**
**Former Metro Container Investigation**

Collected: 08/18/2005 13:45

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET34

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0031	0.116	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.11	2.30	mg/kg	1
06935	Arsenic	7440-38-2	2.84	0.772	2.30	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.11	2.30	mg/kg	1
06944	Antimony	7440-36-0	2.47	0.945	2.30	mg/kg	1
06947	Beryllium	7440-41-7	N.D.	0.0495	0.576	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0991	0.576	mg/kg	1
06951	Chromium	7440-47-3	0.876 J	0.611	1.73	mg/kg	1
06953	Copper	7440-50-8	N.D.	0.346	1.15	mg/kg	1
06955	Lead	7439-92-1	6.53	0.899	2.30	mg/kg	1
06961	Nickel	7440-02-0	N.D.	0.380	1.15	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.219	0.576	mg/kg	1
06972	Zinc	7440-66-6	2.73	0.530	2.30	mg/kg	1
00111	Moisture	n.a.	14.9	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.57	mg/kg	1
05912	Phenols	n.a.	3.8 J	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00999	0.0488	mg/kg	50
01219	Heptachlor	76-44-8	N.D.	0.00999	0.0488	mg/kg	50
01220	Aldrin	309-00-2	N.D.	0.00999	0.0488	mg/kg	50
01221	p,p-DDT	50-29-3	0.0205 J	0.0194	0.0999	mg/kg	50
01222	Dieldrin	60-57-1	N.D.	0.0194	0.0999	mg/kg	50
01223	Endrin	72-20-8	0.0348 J	0.0194	0.0999	mg/kg	50
01859	Methoxychlor	72-43-5	N.D.	0.0999	0.488	mg/kg	50
01981	Alpha BHC	319-84-6	N.D.	0.00999	0.0488	mg/kg	50
01982	Beta BHC	319-85-7	N.D.	0.00999	0.0488	mg/kg	50
01983	Delta BHC	319-86-8	N.D.	0.0123	0.0488	mg/kg	50
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00999	0.0488	mg/kg	50
01985	p,p-DDE	72-55-9	N.D.	0.0194	0.0999	mg/kg	50
01986	p,p-DDD	72-54-8	N.D.	0.0194	0.0999	mg/kg	50
01987	Chlordane	57-74-9	N.D.	0.235	0.999	mg/kg	50
01988	Toxaphene	8001-35-2	N.D.	0.646	1.94	mg/kg	50
01989	Endosulfan I	959-98-8	N.D.	0.00999	0.0488	mg/kg	50
01990	Endosulfan II	33213-65-9	N.D.	0.0194	0.0999	mg/kg	50
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0194	0.0999	mg/kg	50
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0194	0.0999	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR102282

Lancaster Laboratories Sample No. SW 4587048

05-MET-034 Grab Soil Sample

N(12.75-13.25)

Former Metro Container Investigation

Collected: 08/18/2005 13:45

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET34

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.435	0.999	mg/kg	50
01994	PCB-1221	11104-28-2	N.D.	0.194	0.999	mg/kg	50
01995	PCB-1232	11141-16-5	N.D.	0.282	0.999	mg/kg	50
01996	PCB-1242	53469-21-9	N.D.	0.176	0.999	mg/kg	50
01997	PCB-1248	12672-29-6	N.D.	0.646	1.94	mg/kg	50
01998	PCB-1254	11097-69-1	N.D.	0.194	0.999	mg/kg	50
01999	PCB-1260	11096-82-5	N.D.	0.646	1.94	mg/kg	50

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.2	5.9	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.39	2.0	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.39	2.0	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.39	2.0	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.39	2.0	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.39	2.0	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.78	2.0	mg/kg	1
01191	Acenaphthene	83-32-9	1.5 J	0.39	2.0	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	2.0	5.9	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.78	2.0	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	2.0	5.9	mg/kg	1
01195	Pyrene	129-00-0	29.	0.39	2.0	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	4.5	0.39	2.0	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.39	2.0	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.2	2.0	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.39	2.0	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.39	2.0	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	7.8	24.	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.0	5.9	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.78	2.0	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.39	2.0	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.39	2.0	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.39	2.0	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.39	2.0	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.39	2.0	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.39	2.0	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.39	2.0	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102283

**Lancaster Laboratories Sample No. SW 4587048**
**05-MET-034 Grab Soil Sample**
**N(12.75-13.25)**
**Former Metro Container Investigation**

Collected: 08/18/2005 13:45

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET34

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.39	2.0	mg/kg	1
03761	Naphthalene	91-20-3	3.5	0.39	2.0	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.78	2.0	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.0	5.9	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.39	2.0	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.39	2.0	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.78	2.0	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.39	2.0	mg/kg	1
03768	Fluorene	86-73-7	1.4 J	0.39	2.0	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.39	2.0	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.78	2.0	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.39	2.0	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.39	2.0	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.39	2.0	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.39	2.0	mg/kg	1
03775	Phenanthrene	85-01-8	15.	0.39	2.0	mg/kg	1
03776	Anthracene	120-12-7	6.3	0.39	2.0	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.78	2.0	mg/kg	1
03778	Fluoranthene	206-44-0	5.2	0.39	2.0	mg/kg	1
03779	Benzidine	92-87-5	N.D.	7.8	24.	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.78	2.0	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	34.	0.39	2.0	mg/kg	1
03782	Chrysene	218-01-9	42.	0.39	2.0	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.2	3.9	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.78	3.9	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.78	2.0	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	9.4	0.39	2.0	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.39	2.0	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	18.	0.39	2.0	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	4.4	0.39	2.0	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	7.4	0.39	2.0	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	9.7	0.39	2.0	mg/kg	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.045	0.22	mg/kg	38.11

\*=This limit was used in the evaluation of the final result

AR102284

Lancaster Laboratories Sample No. SW 4587048

05-MET-034 Grab Soil Sample

N(12.75-13.25)

Former Metro Container Investigation

Collected: 08/18/2005 13:45

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET34

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.022	0.22	mg/kg	38.11
02020	t-Butyl alcohol	75-65-0	N.D.	0.90	4.5	mg/kg	38.11
05444	Chloromethane	74-87-3	N.D.	0.090	0.22	mg/kg	38.11
05445	Vinyl Chloride	75-01-4	N.D.	0.045	0.22	mg/kg	38.11
05446	Bromomethane	74-83-9	N.D.	0.090	0.22	mg/kg	38.11
05447	Chloroethane	75-00-3	N.D.	0.090	0.22	mg/kg	38.11
05448	Trichlorofluoromethane	75-69-4	N.D.	0.090	0.22	mg/kg	38.11
05449	1,1-Dichloroethene	75-35-4	N.D.	0.045	0.22	mg/kg	38.11
05450	Methylene Chloride	75-09-2	N.D.	0.090	0.22	mg/kg	38.11
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.045	0.22	mg/kg	38.11
05452	1,1-Dichloroethane	75-34-3	N.D.	0.045	0.22	mg/kg	38.11
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.045	0.22	mg/kg	38.11
05455	Chloroform	67-66-3	N.D.	0.045	0.22	mg/kg	38.11
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.045	0.22	mg/kg	38.11
05458	Carbon Tetrachloride	56-23-5	N.D.	0.045	0.22	mg/kg	38.11
05460	Benzene	71-43-2	0.18 J	0.022	0.22	mg/kg	38.11
05461	1,2-Dichloroethane	107-06-2	N.D.	0.045	0.22	mg/kg	38.11
05462	Trichloroethene	79-01-6	N.D.	0.045	0.22	mg/kg	38.11
05463	1,2-Dichloropropane	78-87-5	N.D.	0.045	0.22	mg/kg	38.11
05465	Bromodichloromethane	75-27-4	N.D.	0.045	0.22	mg/kg	38.11
05466	Toluene	108-88-3	0.12 J	0.045	0.22	mg/kg	38.11
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.045	0.22	mg/kg	38.11
05468	Tetrachloroethene	127-18-4	N.D.	0.045	0.22	mg/kg	38.11
05470	Dibromochloromethane	124-48-1	N.D.	0.045	0.22	mg/kg	38.11
05472	Chlorobenzene	108-90-7	N.D.	0.045	0.22	mg/kg	38.11
05474	Ethylbenzene	100-41-4	1.3	0.045	0.22	mg/kg	38.11
05478	Bromoform	75-25-2	N.D.	0.045	0.22	mg/kg	38.11
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.045	0.22	mg/kg	38.11
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.045	0.22	mg/kg	38.11
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.045	0.22	mg/kg	38.11
06301	Xylene (Total)	1330-20-7	3.3	0.045	0.22	mg/kg	38.11
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.090	0.45	mg/kg	38.11
07586	Acrolein	107-02-8	N.D.	0.90	4.5	mg/kg	38.11
07587	Acrylonitrile	107-13-1	N.D.	0.18	0.90	mg/kg	38.11

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

\*=This limit was used in the evaluation of the final result

AR102285



Lancaster Laboratories Sample No. SW 4587048

05-MET-034 Grab Soil Sample

N(12.75-13.25)

Former Metro Container Investigation

Collected: 08/18/2005 13:45

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

MET34

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/22/2005 13:43		1
06925	Thallium	SW-846 6010B	1	08/22/2005 19:47		1
06935	Arsenic	SW-846 6010B	1	08/22/2005 19:47		1
06936	Selenium	SW-846 6010B	1	08/22/2005 19:47		1
06944	Antimony	SW-846 6010B	1	08/22/2005 19:47		1
06947	Beryllium	SW-846 6010B	1	08/22/2005 19:47		1
06949	Cadmium	SW-846 6010B	1	08/22/2005 19:47		1
06951	Chromium	SW-846 6010B	1	08/22/2005 19:47		1
06953	Copper	SW-846 6010B	1	08/22/2005 19:47		1
06955	Lead	SW-846 6010B	1	08/22/2005 19:47		1
06961	Nickel	SW-846 6010B	1	08/22/2005 19:47		1
06966	Silver	SW-846 6010B	1	08/22/2005 19:47		1
06972	Zinc	SW-846 6010B	1	08/22/2005 19:47		1
00111	Moisture	EPA 160.3 modified	1	08/19/2005 18:17		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:29		1
05912	Phenols	SW846 9066	1	08/24/2005 11:29		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 07:45		50

\*=This limit was used in the evaluation of the final result

AR102286

Lancaster Laboratories Sample No. SW 4587048

05-MET-034 Grab Soil Sample

N(12.75-13.25)

Former Metro Container Investigation

Collected: 08/18/2005 13:45

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 09/02/2005 at 08:55

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

## MET34

04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 00:21		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 15:30		38.11
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 15:30		38.11
00381	BNA Soil Extraction	SW-846 3550B	1	08/19/2005 17:30		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/22/2005 07:00		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/22/2005 09:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/24/2005 00:30		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/19/2005 17:05		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:11		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/19/2005 13:16		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/19/2005 13:16		n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4587048  
 Sample wt/vol: 6.56 (g/mL) g Lab File ID: HP07536.i/05aug25b.b/qg25s03.d  
 Level: (low/med) MED Date Received: 08/18/05  
 % Moisture: not dec. 15 Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP Dilution Factor: 38.1  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown alkane	11.57	3.8	J
2.	Unknown	12.64	3.8	J
3.	Unknown aromatic	12.80	1.9	J
4.	Unknown aromatic	12.93	4.2	J
5.	Unknown aromatic	13.39	2.1	J
6.	Unknown aromatic	13.42	2.6	J
7.	Unknown alkane	13.48	3.0	J
8.	Unknown aromatic	13.69	2.0	J
9.	Unknown aromatic	13.79	2.4	J
10.	Unknown alkane	14.21	4.5	J
11.	Unknown aromatic	14.31	3.3	J
12.	Unknown aromatic	14.52	2.1	J
13.	Unknown aromatic	14.62	3.7	J
14.	Unknown alkane	14.86	2.9	J
15.	Unknown aromatic	15.54	3.0	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102288

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4587048  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0783.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: 15 Decanted: (Y/N)                      Date Extracted: 08/19/05  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	6.049	150	J
2.	!Unknown Alkane	6.522	170	J
3.	!Unknown Alkane	6.971	80	J
4.	!Unknown Alkane	7.389	99	J
5.	!Unknown Alkane	7.789	130	J
6.	!Unknown Alkane	8.164	140	J
7.	!Unknown Alkane	8.312	58	J
8.	!Unknown Alkane	8.527	160	J
9.	!Unknown Alkane	8.736	59	J
10.	!Unknown Alkane	8.871	160	J
11.	!Phenanthrene, 4,5-dimethyl-	9.074	58	JX
12.	!Unknown Alkane	9.197	120	J
13.	!Unknown Alkane	9.314	63	J
14.	!Unknown Alkane	9.517	22	J
15.	!Unknown Alkane	9.812	24	J
16.	!Unknown Alkane	9.923	12	J
17.	!Unknown Alkane	10.119	25	J
18.	!Unknown Alkane	10.218	16	J
19.	!Unknown Alkane	10.408	17	J
20.	!Unknown Alkane	10.697	16	J
21.	!Unknown Alkane	10.783	19	J
22.	!Unknown Alkane	10.974	12	J
23.	!Unknown Alkane	11.066	16	J
24.	!Unknown Alkane	11.355	530	J
25.	!Unknown Alkane	11.675	430	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102289

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052310004A	Sample number(s): 4587037-4587048								
Gamma BHC - Lindane	N.D.	0.170	0.830	ug/kg	107		74-133		
Heptachlor	N.D.	0.170	0.830	ug/kg	108		72-143		
Aldrin	N.D.	0.170	0.830	ug/kg	104		74-137		
p,p-DDT	N.D.	0.330	1.70	ug/kg	100		67-152		
Dieldrin	N.D.	0.330	1.70	ug/kg	103		71-133		
Endrin	N.D.	0.330	1.70	ug/kg	104		68-133		
Methoxychlor	N.D.	1.70	8.30	ug/kg	113		56-168		
Alpha BHC	N.D.	0.170	0.830	ug/kg	105		70-134		
Beta BHC	N.D.	0.170	0.830	ug/kg	113		68-137		
Delta BHC	N.D.	0.210	0.830	ug/kg	103		53-167		
Heptachlor Epoxide	N.D.	0.170	0.830	ug/kg	104		72-132		
p,p-DDE	N.D.	0.330	1.70	ug/kg	97		71-143		
p,p-DDD	N.D.	0.330	1.70	ug/kg	96		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.0	33.0	ug/kg					
Endosulfan I	N.D.	0.170	0.830	ug/kg	107		71-130		
Endosulfan II	N.D.	0.330	1.70	ug/kg	106		73-134		
Endosulfan Sulfate	N.D.	0.330	1.70	ug/kg	109		58-133		
Endrin Aldehyde	N.D.	0.330	1.70	ug/kg	105		47-145		
PCB-1016	N.D.	7.40	17.0	ug/kg					
PCB-1221	N.D.	3.30	17.0	ug/kg					
PCB-1232	N.D.	4.80	17.0	ug/kg					
PCB-1242	N.D.	3.00	17.0	ug/kg					
PCB-1248	N.D.	11.0	33.0	ug/kg					
PCB-1254	N.D.	3.30	17.0	ug/kg					
PCB-1260	N.D.	11.0	33.0	ug/kg					
Batch number: 05231820001A	Sample number(s): 4587037-4587039								
Moisture					100		99-101		
Batch number: 05231820001B	Sample number(s): 4587040-4587048								
Moisture					100		99-101		
Batch number: 05231SLC026	Sample number(s): 4587037-4587039, 4587041-4587048								
1,4-Dioxane	N.D.	100.	500.	ug/kg	45		14-81		
Phenol	N.D.	33.	170.	ug/kg	97		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	94		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	85		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	89		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	82		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	99		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	93		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	104		53-140		

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	101		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	79		47-110		
Pyrene	N.D.	33.	170.	ug/kg	100		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	94		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	97		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	92		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	93		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	94		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	84		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	84		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	94		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	86		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	82		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	81		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	108		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	81		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	89		68-105		
Isophorone	N.D.	33.	170.	ug/kg	85		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	95		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	88		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	83		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	103		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	75		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	108		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	92		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	95		75-108		
Fluorene	N.D.	33.	170.	ug/kg	90		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	90		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	95		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	89		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	92		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	90		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	86		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	92		70-107		
Anthracene	N.D.	33.	170.	ug/kg	91		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	93		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	87		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	67		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	96		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	91		73-111		
Chrysene	N.D.	33.	170.	ug/kg	93		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	45		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	95		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	112		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	105		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	110		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	111		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	103		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	110		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	105		66-120		
Batch number: 052345708001 Sample number(s): 4587037-4587048									
Thallium	N.D.	0.960	2.00	mg/kg	111		76-125		
Arsenic	N.D.	0.670	2.00	mg/kg	102		80-120		
Selenium	N.D.	0.960	2.00	mg/kg	108		74-126		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Antimony	N.D.	0.820	2.00	mg/kg	60		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	108		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	105		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	107		78-121		
Copper	N.D.	0.300	1.00	mg/kg	104		80-120		
Lead	N.D.	0.780	2.00	mg/kg	103		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	105		78-122		
Silver	N.D.	0.190	0.500	mg/kg	118		49-150		
Zinc	1.27 J	0.460	2.00	mg/kg	102		46-154		
Batch number: 052345711001	Sample number(s): 4587037-4587048								
Mercury	N.D.	0.0027	0.100	mg/kg	97		66-133		
Batch number: 05235102201A	Sample number(s): 4587037								
Total Cyanide	N.D.	0.18	0.50	mg/kg	103		90-110		
Batch number: 05235102201B	Sample number(s): 4587038-4587047								
Total Cyanide	N.D.	0.18	0.50	mg/kg	103		90-110		
Batch number: 05235SLB026	Sample number(s): 4587040								
1,4-Dioxane	N.D.	100.	500.	ug/kg	50		14-81		
Phenol	N.D.	33.	170.	ug/kg	101		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	99		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	93		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	90		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	91		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	100		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	97		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	101		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	105		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	84		47-110		
Pyrene	N.D.	33.	170.	ug/kg	102		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	98		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	106		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	95		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	98		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	97		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	89		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	92		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	89		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	90		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	90		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	88		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	112		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	88		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	92		68-105		
Isophorone	N.D.	33.	170.	ug/kg	88		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	98		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	92		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	90		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	107		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	79		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	112		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	95		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	97		75-108		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Fluorene	N.D.	33.	170.	ug/kg	94		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	94		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	97		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	92		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	96		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	97		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	95		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	99		70-107		
Anthracene	N.D.	33.	170.	ug/kg	97		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	97		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	96		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	93		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	100		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	94		73-111		
Chrysene	N.D.	33.	170.	ug/kg	98		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	79		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	95		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	109		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	99		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	110		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	110		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	102		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	109		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	104		66-120		
Batch number: 05236102201B	Sample number(s): 4587048								
Total Cyanide	N.D.	0.18	0.50	mg/kg	99		90-110		
Batch number: 05236113201A	Sample number(s): 4587037-4587038								
Phenols	N.D.	1.2	3.5	mg/kg	95		80-120		
Batch number: 05236113201B	Sample number(s): 4587039-4587048								
Phenols	N.D.	1.2	3.5	mg/kg	95		80-120		
Batch number: Q052361AA	Sample number(s): 4587036								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	110	109	75-125	0	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	104	104	51-160	0	30
Chloromethane	N.D.	100.	250.	ug/kg	100	106	62-132	6	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	102	102	66-124	0	30
Bromomethane	N.D.	100.	250.	ug/kg	119	122	59-127	2	30
Chloroethane	N.D.	100.	200.	ug/kg	90	91	63-120	1	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	110	107	65-138	3	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	110	106	69-133	4	30
Methylene Chloride	N.D.	100.	250.	ug/kg	108	109	75-120	1	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	106	108	77-124	2	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	109	111	79-124	1	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	106	105	76-120	0	30
Chloroform	N.D.	50.	250.	ug/kg	111	110	81-117	1	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	109	109	74-127	0	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	106	106	69-130	0	30
Benzene	N.D.	25.	250.	ug/kg	110	110	77-119	0	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	110	112	76-126	1	30
Trichloroethene	N.D.	50.	250.	ug/kg	110	110	81-114	0	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	109	112	78-119	3	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	112	112	77-116	0	30

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Toluene	N.D.	50.	250.	ug/kg	106	108	81-116	1	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	105	103	74-117	2	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	104	101	73-127	3	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	111	112	73-116	1	30
Chlorobenzene	N.D.	50.	250.	ug/kg	104	106	81-112	2	30
Ethylbenzene	N.D.	50.	250.	ug/kg	106	107	82-115	0	30
Bromoform	N.D.	50.	250.	ug/kg	103	104	64-125	0	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	105	105	64-121	0	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	108	106	77-114	2	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	105	105	72-119	0	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	113	113	72-117	0	30
Xylene (Total)	N.D.	50.	250.	ug/kg	107	108	82-117	1	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	112	112	9-208	1	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	105	106	33-143	1	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	105	105	56-129	0	30
Batch number: Q052363AB Sample number(s): 4587040,4587047-4587048									
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	107	110	75-125	3	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	102	100	51-160	2	30
Chloromethane	N.D.	100.	250.	ug/kg	88	101	62-132	14	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	86	95	66-124	10	30
Bromomethane	N.D.	100.	250.	ug/kg	101	100	59-127	0	30
Chloroethane	N.D.	100.	200.	ug/kg	105	120	63-120	14	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	94	98	65-138	4	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	94	99	69-133	5	30
Methylene Chloride	N.D.	100.	250.	ug/kg	102	107	75-120	4	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	92	100	77-124	8	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	104	107	79-124	3	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	98	106	76-120	8	30
Chloroform	N.D.	50.	250.	ug/kg	104	109	81-117	5	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	98	104	74-127	6	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	96	101	69-130	6	30
Benzene	N.D.	25.	250.	ug/kg	99	105	77-119	6	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	108	112	76-126	4	30
Trichloroethene	N.D.	50.	250.	ug/kg	99	105	81-114	6	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	104	106	78-119	2	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	109	108	77-116	0	30
Toluene	N.D.	50.	250.	ug/kg	96	101	81-116	4	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	99	102	74-117	3	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	88	94	73-127	7	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	107	111	73-116	4	30
Chlorobenzene	N.D.	50.	250.	ug/kg	97	101	81-112	4	30
Ethylbenzene	N.D.	50.	250.	ug/kg	97	102	82-115	5	30
Bromoform	N.D.	50.	250.	ug/kg	99	102	64-125	2	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	99	104	64-121	4	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	103	105	77-114	2	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	100	101	72-119	1	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	106	111	72-117	4	30
Xylene (Total)	N.D.	50.	250.	ug/kg	97	102	82-117	5	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	107	106	9-208	0	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	107	104	33-143	3	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	104	106	56-129	2	30
Batch number: X052251AB Sample number(s): 4587039,4587043									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	82		75-125		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
t-Butyl alcohol	N.D.	20.	100.	ug/kg	150		51-160		
Chloromethane	N.D.	2.	5.	ug/kg	86		62-132		
Vinyl Chloride	N.D.	1.	5.	ug/kg	81		66-124		
Bromomethane	N.D.	2.	5.	ug/kg	78		59-127		
Chloroethane	N.D.	2.	4.	ug/kg	87		63-120		
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	78		65-138		
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	83		69-133		
Methylene Chloride	2. J	2.	5.	ug/kg	89		75-120		
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	85		77-124		
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	95		79-124		
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	89		76-120		
Chloroform	N.D.	1.	5.	ug/kg	90		81-117		
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	84		74-127		
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	79		69-130		
Benzene	N.D.	0.5	5.	ug/kg	96		77-119		
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	87		76-126		
Trichloroethene	N.D.	1.	5.	ug/kg	89		81-114		
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	103		78-119		
Bromodichloromethane	N.D.	1.	5.	ug/kg	91		77-116		
Toluene	N.D.	1.	5.	ug/kg	96		81-116		
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	95		74-117		
Tetrachloroethene	N.D.	1.	5.	ug/kg	88		73-127		
Dibromochloromethane	N.D.	1.	5.	ug/kg	85		73-116		
Chlorobenzene	N.D.	1.	5.	ug/kg	92		81-112		
Ethylbenzene	N.D.	1.	5.	ug/kg	95		82-115		
Bromoform	N.D.	1.	5.	ug/kg	79		64-125		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	99		64-121		
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	88		77-114		
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	93		72-119		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	91		72-117		
Xylene (Total)	N.D.	1.	5.	ug/kg	94		82-117		
Acrolein	N.D.	1.	40.	ug/kg	86		33-143		
Acrylonitrile	N.D.	4.	20.	ug/kg	90		56-129		
Batch number: X052351AB Sample number(s): 4587038,4587041-4587042,4587044-4587046									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	89	92	75-125	3	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	102	103	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	96	95	62-132	1	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	94	92	66-124	2	30
Bromomethane	N.D.	2.	5.	ug/kg	97	95	59-127	3	30
Chloroethane	N.D.	2.	4.	ug/kg	97	97	63-120	0	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	98	96	65-138	2	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	93	92	69-133	1	30
Methylene Chloride	2. J	2.	5.	ug/kg	94	96	75-120	2	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	95	92	77-124	3	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	99	97	79-124	2	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	98	98	76-120	0	30
Chloroform	N.D.	1.	5.	ug/kg	99	99	81-117	0	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	98	95	74-127	3	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	96	95	69-130	2	30
Benzene	N.D.	0.5	5.	ug/kg	98	97	77-119	1	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	95	98	76-126	2	30
Trichloroethene	N.D.	1.	5.	ug/kg	98	98	81-114	0	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	100	99	78-119	1	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	95	95	77-116	1	30

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCS D %REC	LCS/LCSD Limits	RPD	RPD Max
Toluene	N.D.	1.	5.	ug/kg	99	98	81-116	1	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	92	95	74-117	3	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	102	98	73-127	4	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	96	97	73-116	1	30
Chlorobenzene	N.D.	1.	5.	ug/kg	99	98	81-112	1	30
Ethylbenzene	N.D.	1.	5.	ug/kg	100	97	82-115	3	30
Bromoform	N.D.	1.	5.	ug/kg	90	95	64-125	5	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	87	92	64-121	6	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	89	95	77-114	6	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	98	100	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	96	97	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	98	95	82-117	3	30
Acrolein	N.D.	1.	40.	ug/kg	65	73	33-143	11	30
Acrylonitrile	N.D.	4.	20.	ug/kg	72	84	56-129	15	30

Batch number: X052361AB	Sample number(s): 4587037								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	94	94	75-125	0	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	111	111	51-160	0	30
Chloromethane	N.D.	2.	5.	ug/kg	97	96	62-132	1	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	92	93	66-124	1	30
Bromomethane	N.D.	2.	5.	ug/kg	94	91	59-127	3	30
Chloroethane	N.D.	2.	4.	ug/kg	95	95	63-120	1	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	93	92	65-138	1	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	86	88	69-133	2	30
Methylene Chloride	2. J	2.	5.	ug/kg	103	102	75-120	1	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	92	91	77-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	96	96	79-124	0	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	97	96	76-120	1	30
Chloroform	N.D.	1.	5.	ug/kg	98	98	81-117	0	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	93	95	74-127	2	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	94	94	69-130	0	30
Benzene	N.D.	0.5	5.	ug/kg	96	96	77-119	0	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	99	98	76-126	0	30
Trichloroethene	N.D.	1.	5.	ug/kg	95	96	81-114	0	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	99	98	78-119	2	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	96	97	77-116	1	30
Toluene	N.D.	1.	5.	ug/kg	96	96	81-116	1	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	94	97	74-117	4	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	96	96	73-127	1	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	95	96	73-116	1	30
Chlorobenzene	N.D.	1.	5.	ug/kg	96	96	81-112	1	30
Ethylbenzene	N.D.	1.	5.	ug/kg	94	96	82-115	2	30
Bromoform	N.D.	1.	5.	ug/kg	96	96	64-125	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	93	98	64-121	4	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	96	98	77-114	2	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	99	100	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	97	97	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	94	95	82-117	1	30
Acrolein	N.D.	20.	40.	ug/kg	69	66	33-143	5	30
Acrylonitrile	N.D.	4.	20.	ug/kg	86	87	56-129	1	30

### Sample Matrix Quality Control

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	Max
Batch number: 052310004A	Sample number(s): 4587037-4587048							
Gamma BHC - Lindane	98	102	43-154	4	35			
Heptachlor	100	105	70-138	5	35			
Aldrin	96	100	58-159	4	35			
p,p-DDT	112	116	62-166	3	35			
Dieldrin	98	102	68-139	4	35			
Endrin	102	103	48-188	1	35			
Methoxychlor	132	135	74-162	2	35			
Alpha BHC	96	99	64-134	3	35			
Beta BHC	108	108	31-176	1	35			
Delta BHC	104	103	68-158	1	35			
Heptachlor Epoxide	97	98	69-133	2	35			
p,p-DDE	94	98	48-175	4	35			
p,p-DDD	102	103	52-181	0	35			
Endosulfan I	104	108	41-166	3	35			
Endosulfan II	110	112	65-144	2	35			
Endosulfan Sulfate	104	106	65-154	1	35			
Endrin Aldehyde	98	100	63-125	2	35			
Batch number: 05231820001A	Sample number(s): 4587037-4587039							
Moisture						23.2	32.4	33* 15
Batch number: 05231820001B	Sample number(s): 4587040-4587048							
Moisture						18.3	17.8	3 15
Batch number: 05231SLC026	Sample number(s): 4587037-4587039, 4587041-4587048							
1,4-Dioxane	0*	0*	6-84	0	30			
Phenol	97	102	48-128	4	30			
2-Chlorophenol	86	88	36-140	3	30			
1,4-Dichlorobenzene	81	90	46-115	11	30			
N-Nitroso-di-n-propylamine	88	89	42-132	1	30			
1,2,4-Trichlorobenzene	79	91	62-114	13	30			
4-Chloro-3-methylphenol	90	87	42-147	4	30			
Acenaphthene	(2)	(2)	47-137	11	30			
4-Nitrophenol	0*	0*	30-151	0	30			
2,4-Dinitrotoluene	93	79	66-126	16	30			
Pentachlorophenol	158*	168*	22-126	6	30			
Pyrene	(2)	(2)	25-159	9	30			
1-Methylnaphthalene	12*	32*	60-128	6	30			
2-Nitrophenol	74	91	53-140	20	30			
2,4-Dimethylphenol	91	95	44-131	4	30			
2,4-Dichlorophenol	84	82	60-123	2	30			
2,4,6-Trichlorophenol	72	79	51-128	9	30			
2,4-Dinitrophenol	0*	0*	20-152	0	30			
4,6-Dinitro-2-methylphenol	186*	179*	14-136	4	30			
N-Nitrosodimethylamine	57	61	56-110	6	30			
bis(2-Chloroethyl)ether	80	87	60-110	9	30			
1,3-Dichlorobenzene	80	81	52-112	1	30			
1,2-Dichlorobenzene	80	79	56-108	1	30			
bis(2-Chloroisopropyl)ether	112	113	38-157	1	30			
Hexachloroethane	83	86	30-130	4	30			
Nitrobenzene	79	91	65-113	13	30			
Isophorone	76	84	55-116	10	30			
bis(2-Chloroethoxy)methane	88	99	63-128	11	30			
Naphthalene	(2)	(2)	54-121	27	30			
Hexachlorobutadiene	76	84	43-132	11	30			

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Analysis Name								Max
Hexachlorocyclopentadiene	0*	0*	5-175	0	30			
2-Chloronaphthalene	67	76	51-100	12	30			
Acenaphthylene	84	149*	66-137	26	30			
Dimethylphthalate	83	97	70-112	16	30			
2,6-Dinitrotoluene	76	77	66-116	2	30			
Fluorene	(2)	(2)	48-130	14	30			
4-Chlorophenyl-phenylether	89	93	50-128	5	30			
Diethylphthalate	87	98	71-112	11	30			
1,2-Diphenylhydrazine	87	97	26-141	12	30			
N-Nitrosodiphenylamine	119	129	59-133	8	30			
4-Bromophenyl-phenylether	85	100	69-119	17	30			
Hexachlorobenzene	77	80	59-130	4	30			
Phenanthrene	(2)	(2)	28-155	11	30			
Anthracene	(2)	(2)	47-135	12	30			
Di-n-butylphthalate	94	99	67-119	6	30			
Fluoranthene	(2)	(2)	32-137	10	30			
Benztidine	0*	0*	20-173	0	30			
Butylbenzylphthalate	93	105	55-131	13	30			
Benzo(a)anthracene	(2)	(2)	39-144	6	30			
Chrysene	(2)	(2)	38-144	5	30			
3,3'-Dichlorobenzidine	0*	0*	10-133	0	30			
bis(2-Ethylhexyl)phthalate	74	88	54-141	7	30			
Di-n-octylphthalate	100	97	47-144	3	30			
Benzo(b)fluoranthene	(2)	(2)	24-155	2	30			
Benzo(k)fluoranthene	(2)	(2)	2-176	10	30			
Benzo(a)pyrene	(2)	(2)	38-142	3	30			
Indeno(1,2,3-cd)pyrene	(2)	(2)	1-186	3	30			
Dibenz(a,h)anthracene	85	84	44-154	0	30			
Benzo(g,h,i)perylene	(2)	(2)	32-150	4	30			
Batch number: 052345708001 Sample number(s): 4587037-4587048								
Thallium	97	98	86-106	2	20	N.D.	N.D.	12 (1) 20
Arsenic	99	100	75-112	1	20	2.41	2.63	9 (1) 20
Selenium	99	100	81-112	1	20	N.D.	N.D.	194* (1) 20
Antimony	101	103	75-125	2	20	2.10	1.84 J	13 (1) 20
Beryllium	104	106	89-114	2	20	N.D.	N.D.	34* (1) 20
Cadmium	101	103	75-125	2	20	N.D.	N.D.	249* (1) 20
Chromium	106	108	75-125	2	20	0.745 J	0.679 J	9 (1) 20
Copper	100	101	75-125	1	20	N.D.	N.D.	18 (1) 20
Lead	98	99	75-125	2	20	5.55	6.13	10 (1) 20
Nickel	99	101	75-125	2	20	N.D.	N.D.	11 (1) 20
Silver	102	104	82-116	1	20	N.D.	N.D.	1161* (1) 20
Zinc	97	100	75-125	3	20	2.32	1.48 J	44* (1) 20
Batch number: 052345711001 Sample number(s): 4587037-4587048								
Mercury	165*	128*	80-120	25*	20	N.D.	0.0961 J	215* (1) 20
Batch number: 05235102201A Sample number(s): 4587037								
Total Cyanide	99		52-135			N.D.	N.D.	76* (1) 17
Batch number: 05235102201B Sample number(s): 4587038-4587047								
Total Cyanide	103		52-135			N.D.	N.D.	200* (1) 17
Batch number: 05235SLB026 Sample number(s): 4587040								

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
1,4-Dioxane	50	46	6-84	7	30			
Phenol	100	99	48-128	0	30			
2-Chlorophenol	98	96	36-140	2	30			
1,4-Dichlorobenzene	92	88	46-115	3	30			
N-Nitroso-di-n-propylamine	92	90	42-132	2	30			
1,2,4-Trichlorobenzene	88	91	62-114	3	30			
4-Chloro-3-methylphenol	102	100	42-147	2	30			
Acenaphthene	99	97	47-137	2	30			
4-Nitrophenol	106	100	30-151	6	30			
2,4-Dinitrotoluene	105	102	66-126	2	30			
Pentachlorophenol	86	87	22-126	2	30			
Pyrene	101	102	25-159	1	30			
1-Methylnaphthalene	100	100	60-128	0	30			
2-Nitrophenol	106	106	53-140	0	30			
2,4-Dimethylphenol	98	98	44-131	0	30			
2,4-Dichlorophenol	99	98	60-123	1	30			
2,4,6-Trichlorophenol	99	97	51-128	2	30			
2,4-Dinitrophenol	77	76	20-152	0	30			
4,6-Dinitro-2-methylphenol	80	83	14-136	4	30			
N-Nitrosodimethylamine	88	90	56-110	2	30			
bis(2-Chloroethyl)ether	89	87	60-110	1	30			
1,3-Dichlorobenzene	88	87	52-112	1	30			
1,2-Dichlorobenzene	86	85	56-108	2	30			
bis(2-Chloroisopropyl)ether	111	109	38-157	2	30			
Hexachloroethane	85	83	30-130	3	30			
Nitrobenzene	93	94	65-113	0	30			
Isophorone	87	87	55-116	0	30			
bis(2-Chloroethoxy)methane	99	99	63-128	0	30			
Naphthalene	96	94	54-121	2	30			
Hexachlorobutadiene	89	88	43-132	2	30			
Hexachlorocyclopentadiene	95	98	5-175	3	30			
2-Chloronaphthalene	79	78	51-100	2	30			
Acenaphthylene	115	113	66-137	2	30			
Dimethylphthalate	97	93	70-112	4	30			
2,6-Dinitrotoluene	101	97	66-116	5	30			
Fluorene	97	94	48-130	4	30			
4-Chlorophenyl-phenylether	95	92	50-128	3	30			
Diethylphthalate	98	96	71-112	2	30			
1,2-Diphenylhydrazine	91	91	26-141	0	30			
N-Nitrosodiphenylamine	97	96	59-133	1	30			
4-Bromophenyl-phenylether	94	93	69-119	1	30			
Hexachlorobenzene	94	93	59-130	2	30			
Phenanthrene	98	93	28-155	5	30			
Anthracene	97	94	47-135	3	30			
Di-n-butylphthalate	95	97	67-119	2	30			
Fluoranthene	96	89	32-137	7	30			
Benzidine	91	81	20-173	11	30			
Butylbenzylphthalate	100	100	55-131	0	30			
Benzo(a)anthracene	95	94	39-144	1	30			
Chrysene	96	95	38-144	1	30			
3,3'-Dichlorobenzidine	81	77	10-133	5	30			
bis(2-Ethylhexyl)phthalate	94	97	54-141	3	30			
Di-n-octylphthalate	110	109	47-144	1	30			
Benzo(b)fluoranthene	100	96	24-155	4	30			

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Benzo(k)fluoranthene	107	104	2-176	3	30			
Benzo(a)pyrene	109	106	38-142	3	30			
Indeno(1,2,3-cd)pyrene	106	103	1-186	3	30			
Dibenz(a,h)anthracene	112	109	44-154	3	30			
Benzo(g,h,i)perylene	107	103	32-150	5	30			
Batch number: 05236102201B	Sample number(s): 4587048							
Total Cyanide	104		52-135			N.D.	N.D.	9 (1) 17
Batch number: 05236113201A	Sample number(s): 4587037-4587038							
Phenols	104	99	38-175	8	26			
Batch number: 05236113201B	Sample number(s): 4587039-4587048							
Phenols	74	91	38-175	12	26			
Batch number: X052251AB	Sample number(s): 4587039,4587043							
Methyl Tertiary Butyl Ether	80	69	49-140	11	30			
t-Butyl alcohol	112	96	46-148	11	30			
Chloromethane	121	110	60-132	6	30			
Vinyl Chloride	99	91	60-126	5	30			
Bromomethane	79	71	52-121	6	30			
Chloroethane	81	73	60-122	6	30			
Trichlorofluoromethane	82	73	53-142	9	30			
1,1-Dichloroethene	82	68	62-133	14	30			
Methylene Chloride	79	61	59-135	21	30			
trans-1,2-Dichloroethene	86	67	64-125	20	30			
1,1-Dichloroethane	100	81	65-125	17	30			
cis-1,2-Dichloroethene	94	72	63-125	22	30			
Chloroform	98	77	65-126	20	30			
1,1,1-Trichloroethane	84	68	59-134	18	30			
Carbon Tetrachloride	82	63	53-138	22	30			
Benzene	104	78	67-123	21	30			
1,2-Dichloroethane	96	78	62-130	17	30			
Trichloroethene	101	74	62-126	25	30			
1,2-Dichloropropane	110	89	64-120	18	30			
Bromodichloromethane	94	77	65-118	15	30			
Toluene	124	66	55-125	39*	30			
1,1,2-Trichloroethane	111	93	62-122	14	30			
Tetrachloroethene	101	69	45-151	34*	30			
Dibromochloromethane	89	72	62-120	17	30			
Chlorobenzene	97	67	62-116	32*	30			
Ethylbenzene	108	60	50-127	44*	30			
Bromoform	75	63	52-123	13	30			
1,1,2,2-Tetrachloroethane	105	85	37-142	16	30			
1,2-Dibromoethane	92	79	62-116	11	30			
trans-1,3-Dichloropropene	103	83	61-121	17	30			
cis-1,3-Dichloropropene	91	74	54-122	16	30			
Xylene (Total)	103	59	54-123	45*	30			
Acrolein	82	85	12-136	8	30			
Acrylonitrile	95	97	47-125	6	30			
Batch number: X052351AB	Sample number(s): 4587038,4587041-4587042,4587044-4587046							
Methyl Tertiary Butyl Ether	99		49-140					
t-Butyl alcohol	125		46-148					

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Chloromethane	112		60-132					
Vinyl Chloride	110		60-126					
Bromomethane	107		52-121					
Chloroethane	107		60-122					
Trichlorofluoromethane	115		53-142					
1,1-Dichloroethene	105		62-133					
Methylene Chloride	101		59-135					
trans-1,2-Dichloroethene	102		64-125					
1,1-Dichloroethane	105		65-125					
cis-1,2-Dichloroethene	105		63-125					
Chloroform	109		65-126					
1,1,1-Trichloroethane	109		59-134					
Carbon Tetrachloride	108		53-138					
Benzene	107		67-123					
1,2-Dichloroethane	104		62-130					
Trichloroethene	107		62-126					
1,2-Dichloropropane	107		64-120					
Bromodichloromethane	104		65-118					
Toluene	107		55-125					
1,1,2-Trichloroethane	100		62-122					
Tetrachloroethene	111		45-151					
Dibromochloromethane	104		62-120					
Chlorobenzene	106		62-116					
Ethylbenzene	108		50-127					
Bromoform	101		52-123					
1,1,2,2-Tetrachloroethane	98		37-142					
1,2-Dibromoethane	99		62-116					
trans-1,3-Dichloropropene	105		61-121					
cis-1,3-Dichloropropene	104		54-122					
Xylene (Total)	106		54-123					
Acrolein	66		12-136					
Acrylonitrile	88		47-125					
Batch number: X052361AB	Sample number(s): 4587037							
Methyl Tertiary Butyl Ether	88		49-140					
t-Butyl alcohol	141		46-148					
Chloromethane	95		60-132					
Vinyl Chloride	98		60-126					
Bromomethane	97		52-121					
Chloroethane	96		60-122					
Trichlorofluoromethane	103		53-142					
1,1-Dichloroethene	89		62-133					
Methylene Chloride	89		59-135					
trans-1,2-Dichloroethene	90		64-125					
1,1-Dichloroethane	94		65-125					
cis-1,2-Dichloroethene	93		63-125					
Chloroform	95		65-126					
1,1,1-Trichloroethane	95		59-134					
Carbon Tetrachloride	95		53-138					
Benzene	93		67-123					
1,2-Dichloroethane	92		62-130					
Trichloroethene	93		62-126					
1,2-Dichloropropane	92		64-120					
Bromodichloromethane	92		65-118					

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	RPD	RPD
Analysis Name								Max
Toluene	93		55-125					
1,1,2-Trichloroethane	88		62-122					
Tetrachloroethene	93		45-151					
Dibromochloromethane	90		62-120					
Chlorobenzene	91		62-116					
Ethylbenzene	90		50-127					
Bromoform	85		52-123					
1,1,2,2-Tetrachloroethane	83		37-142					
1,2-Dibromoethane	87		62-116					
trans-1,3-Dichloropropene	93		61-121					
cis-1,3-Dichloropropene	92		54-122					
Xylene (Total)	88		54-123					
Acrolein	50		12-136					
Acrylonitrile	70		47-125					

### Surrogate Quality Control

Analysis Name: Pesticides/PCBs in Solids  
Batch number: 052310004A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4587037	103	134
4587038	92	186*
4587039	99	153
4587040	118	121
4587041	143	0*
4587042	96	116
4587043	207*	1432*
4587044	105	516*
4587045	94	114
4587046	86	411*
4587047	0*	0*
4587048	116	0*
Blank	116	118
LCS	110	124
MS	102	117
MSD	102	119

Limits: 58-149 62-159

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05231SLC026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4587037	89	90	83	80
4587038	86	88	80	88
4587039	93	94	85	84
4587041	74	72	78	75
4587042	89	89	84	77
4587043	85	88	74	82
4587044	89	89	71	89

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Surrogate Quality Control

4587045	92	94	86	88
4587046	85	87	80	87
4587047	87	86	90	121
4587048	86	93	91	124
Blank	64	68	64	63
LCS	97	98	93	90
MS	87	88	84	80
MSD	92	88	83	87

Limits:	45-120	50-118	46-136	47-128
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2-Fluorobiphenyl	Terphenyl-d14
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4587037	78	91		
4587038	87	84		
4587039	85	95		
4587041	78	83		
4587042	75	89		
4587043	84	92		
4587044	89	86		
4587045	91	90		
4587046	88	81		
4587047	90	90		
4587048	94	90		
Blank	63	67		
LCS	89	98		
MS	84	98		
MSD	91	101		

Limits:	55-123	51-158
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Analysis Name: TCL SW846 Semivolatiles Soil

Batch number: 05235SLB026

Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
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4587040	93	97	89	91
Blank	93	97	86	95
LCS	101	104	101	94
MS	101	103	101	95
MSD	99	100	96	95

Limits:	45-120	50-118	46-136	47-128
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2-Fluorobiphenyl	Terphenyl-d14
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4587040	91	92		
Blank	94	99		
LCS	95	105		
MS	96	106		
MSD	95	108		

Limits:	55-123	51-158
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Analysis Name: 8260 Special Cmpds for Soils

Batch number: Q052361AA

Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
----------------------	-----------------------	------------	----------------------

4587036	93	98	89	85
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\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Surrogate Quality Control

Blank	84	82	77	77
LCS	107	106	103	101
LCSD	106	107	103	103
Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: Q052363AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4587040	84	85	76	82
4587047	62*	63*	41*	46*
4587048	77	27*	59*	78
Blank	86	87	77	77
LCS	101	99	93	95
LCSD	105	104	96	98
Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: X052251AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4587039	89	87	93	87
4587043	90	90	104	74
Blank	89	88	90	90
LCS	84	81	91	85
MS	83	83	96	80
MSD	81	85	97	81
Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: X052351AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4587038	90	86	106	82
4587041	90	87	93	97
4587042	88	87	92	88
4587044	95	83	131*	64*
4587045	90	84	96	78
4587046	90	85	97	117
Blank	89	88	90	90
LCS	89	87	93	88
LCSD	90	86	93	89
MS	89	89	93	90
Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: X052361AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4587037	89	87	91	89
Blank	89	88	90	90
LCS	90	87	92	89
LCSD	90	90	92	90
MS	91	89	92	90

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 08:56 AM

Group Number: 956036

### Surrogate Quality Control

---

Limits:	70-129	70-121	70-130	70-128
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\*- Outside of specification

\*\*\_This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



**For Lancaster Laboratories use only**

Group No.: 956036 Sample Nos.: 4582036-17

Acc't No.: 11549 SCR No.:

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u> Acc't #: <u>11549</u>		Matrix		Analyses Requested												Remarks:		
Project Manager: <u>[REDACTED]</u> Quote #: <u>          </u>																		
Project Name/#: <u>Former Metro Container Investigation</u>																		
Sampler: <u>[REDACTED]</u>																		
P.O. #: <u>                    </u>																		
Name of state where samples were collected: <u>PA</u>																		
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture	
05-MET-029	8/18/05	0750	X		X			4	X	X	X	X	X	X	X	X	X	N(2.5'-3')
05-MET-017	"	0900	X		X			4	X	X	X	X	X	X	X	X	X	N(7'-7.5')
05-MET-012	"	1010	X		X			4	X	X	X	X	X	X	X	X	X	N(9'-9.5')
05-MET-005	"	1100	X		X			4	X	X	X	X	X	X	X	X	X	N(4.5'-5')
05-MET-010	"	1200	X		X			4	X	X	X	X	X	X	X	X	X	N(6.5'-7')
05-MET-003	"	1430	X		X			4	X	X	X	X	X	X	X	X	X	N(5.5'-6')
05-MET-0131	"	1500	X		X			4	X	X	X	X	X	X	X	X	X	N(2'-2.5')
05-MET-0125	"	1000	X		X			4	X	X	X	X	X	X	X	X	X	N(1.0'-1.5')
EB081805W	"	1500	X			X		11	X	X	X	X	X	X	X	X	X	
TB081805W	"				X			2	X	X								

Turnaround Time Requested (TAT) (please circle): Normal      Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle):      Fax      Email

Fax #:                           Email address:

Relinquished by: [REDACTED]

Relinquished by: [REDACTED]

Relinquished by: [REDACTED]

Relinquished by: [REDACTED]

Date: 8/18/05      Time: 16:00

Date: 8/18/05      Time: 18:00

Date:                 Time:

Date:                 Time:

Received by: [REDACTED]

Received by: [REDACTED]

Received by: [REDACTED]

Received by: [REDACTED]

Date: 8/18/05      Time: 16:00

Date: 8/18/05      Time: 16:00

Date:                 Time:

Date:                 Time:

Data Package Options (please circle if required)

QC Summary

Type I (Tier I)

Type II (Tier II)

Type III (NJ Reduced Del.)

Type IV (CLP)

Type VI (Raw Data)

GLP

Other:

SDG Complete ?

Yes      No

Site specific QC required?      Yes      No

(If yes, indicate QC sample and submit triplicate volume.)

Internal chain of custody required?      Yes      No

Relinquished by: [REDACTED]

Relinquished by: [REDACTED]

Date:                 Time:

Date:                 Time:

Received by: [REDACTED]

Received by: [REDACTED]

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

**Copies:** White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR102306



# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 946236 Sample Nos.: 4487036-187

Acct No.: 11549 SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u> Acct #: <u>11549</u>				Analyses Requested										Remarks:					
Project Manager: _____ Quote #: _____																			
Project Name/ #: <u>Former Metro Container Investigation</u>																			
Sampler: _____ P.O. #: _____																			
Name of state where samples were collected: <u>PA</u>																			
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture		
05-MET-030	8/18/05	830	/	/	/	/	/	4	X										N(6.75-7.25)
05-MET-036		1000	/	/	/	/	/	4	X										N(15.5-16)
05-MET-035		1100	/	/	/	/	/	4	X										N(6.5-7.0)
05-MET-034		1345	/	/	/	/	/	4	X										N(12.75-13.25)
TB081805			/	/			X	1	X	X									TB
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush														Date: <u>8/18/05</u> Time: <u>16:00</u>		Received by: _____ Date: _____ Time: <u>16:00</u>			
(Rush TAT is subject to Lancaster Laboratories approval and surcharge)														Date: <u>8/18/05</u> Time: <u>18:00</u>		Received by: _____ Date: _____ Time: _____			
Date results are needed: _____														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
Rush results requested by (please circle): Fax Email														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
Fax #: _____ Email address: _____														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
Data Package Options (please circle if required)														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
QC Summary														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
Type I (Tier I)														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
Type II (Tier II)														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
Type III (NJ Reduced Del.)														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
Type IV (CLP)														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
Type VI (Raw Data)														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
GLP														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			
Other														Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____			

Lancaster Laboratories, Inc. 2425 New Holland Pike, Lancaster, PA 17601 (717) 658-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR102307

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 956037. Samples arrived at the laboratory on Thursday, August 18, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-029 Grab Water Sample	4587049
05-MET-029 Filtered Grab Water Sample	4587050
05-MET-030 Grab Water Sample	4587051
05-MET-030 Filtered Grab Water Sample	4587052
05-MET-036 Grab Water Sample	4587053
05-MET-036 Filtered Grab Water Sample	4587054
05-MET-035 Grab Water Sample	4587055
05-MET-035 Filtered Grab Water Sample	4587056
05-MET-034 Grab Water Sample	4587057
05-MET-034 Filtered Grab Water Sample	4587058
EB081805W Equipment Blank Grab Water Sample	4587059
TB081805W Trip Blank Water Sample	4587060

1 COPY TO

Montgomery Watson Harza

Attn: [REDACTED]



Questions? Contact your Client Services Representative

[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Manager

Lancaster Laboratories Sample No. WW 4587049

05-MET-029 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/18/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:21

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	11.1	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	124.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	691.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	56.6	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	230.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	152.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	6,150.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	3,230.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	4,640.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	2,720.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	2.0 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	14,000.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	18.	60.	ug/l	1
Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.							
08255	Total Cyanide	57-12-5	9.9 J	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.20	0.20	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.37	0.37	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102311

**Lancaster Laboratories Sample No. WW 4587049**
**05-MET-029 Grab Water Sample**
**N(0-15)**
**Former Metro Container Investigation**

Collected: 08/18/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 08/30/2005 at 16:21

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

WMT29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	5.0	5.0	ug/l	1
01626	PCB-1260	11096-82-5	3.3 J	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, 4,4'-DDT and aroclor-1260. Despite cleanup methods, we were unable to reach our usual reporting limits.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
The surrogate recovery for the associated LCS is outside the QC limits. Since the ethylene dibromide spike recovery for the LCS and LCSD is within the QC limits, the data is reported.							

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102312

**Lancaster Laboratories Sample No. WW 4587049**
**05-MET-029 Grab Water Sample**
**N(0-15)**
**Former Metro Container Investigation**

Collected: 08/18/2005 08:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 08/30/2005 at 16:21

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

WMT29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	14. J	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	22. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	20. J	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	14. J	10.	50.	ug/l	1
03971	Chrysene	218-01-9	17. J	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	24. J	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	19. J	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	13. J	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102313

**Lancaster Laboratories Sample No. WW 4587049**
**05-MET-029 Grab Water Sample**
**N(0-15)**
**Former Metro Container Investigation**

Collected: 08/18/2005 08:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:21

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	23. J	10.	50.	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	1. J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	3. J	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	3. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	4. J	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	7.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	40.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102314

**Lancaster Laboratories Sample No. WW 4587049**
**05-MET-029 Grab Water Sample**
**N(0-15)**
**Former Metro Container Investigation**

Collected: 08/18/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 08/30/2005 at 16:21

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

WMT29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/24/2005 08:59	<span style="background-color: black; color: black;">[REDACTED]</span>	10
07022	Thallium	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/22/2005 16:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/25/2005 14:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 12:33	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07879	EDB	SW-846 8011	1	08/26/2005 13:16	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 02:56	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR102315

**Lancaster Laboratories Sample No. WW 4587049**

**05-MET-029 Grab Water Sample**

**N(0-15)**

**Former Metro Container Investigation**

Collected: 08/18/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:21

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## WMT29

07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 20:52	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/20/2005 10:15	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/19/2005 23:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 20:52	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/21/2005 19:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/20/2005 11:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/24/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4587049	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP09915.i/05aug23c.b/lg23s05.d	
Level: (low/med) LOW	Date Received: 08/18/05	
% Moisture: not dec.	Date Analyzed: 08/23/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102317



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4587049  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0790.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/20/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 13 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.772	130	J
2.	!Unknown	3.018	140	J
3.123-42-2	!2-Pentanone, 4-hydroxy-4-met	3.177	49	JB
4.	!Unknown	8.914	84	J
5.	!Unknown	10.666	45	J
6.	!Unknown	11.232	65	J
7.	!Unknown	11.656	44	J
8.	!Benzo[e]pyrene	11.736	48	JX
9.	!Unknown	12.173	43	J
10.	!Unknown	12.357	42	J
11.	!Unknown	12.523	41	J
12.	!Unknown	12.745	150	J
13.	!Unknown	12.941	46	J
14.				
15.				
16.				
17.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102318



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4587050

05-MET-029 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/18/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 08/30/2005 at 16:22  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FMT29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.3 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	12.2	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	15.1 J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
00259	Mercury	SW-846 7470A	1	08/24/2005 09:00		[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/22/2005 17:01		[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/21/2005 19:00		[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30		[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102319

Lancaster Laboratories Sample No. WW 4587051

05-MET-030 Grab Water Sample

N(0-9)

Former Metro Container Investigation

Collected: 08/18/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:22

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	5.4	0.31	1.0	ug/l	5
07022	Thallium	7440-28-0	22.2	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	90.6	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	9.9 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	14.3	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	9.2	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	569.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	330.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	719.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	300.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	13.4	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,290.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	69.	18.	60.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.10	0.50	ug/l	5
01601	Beta BHC	319-85-7	N.D.	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.10	0.50	ug/l	5
01603	Delta BHC	319-86-8	N.D.	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.10	0.50	ug/l	5
01605	Aldrin	309-00-2	N.D.	0.25	1.0	ug/l	5
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.10	0.50	ug/l	5
01607	p,p-DDE	72-55-9	0.46 J	0.20	1.0	ug/l	5
01608	p,p-DDD	72-54-8	3.4	0.30	1.0	ug/l	5
01609	p,p-DDT	50-29-3	17.	3.0	10.	ug/l	50
01610	Dieldrin	60-57-1	N.D.	0.50	1.5	ug/l	5
01611	Endrin	72-20-8	N.D.	0.20	1.0	ug/l	5
01612	Chlordane	57-74-9	N.D.	3.5	25.	ug/l	5
01613	Toxaphene	8001-35-2	N.D.	15.	50.	ug/l	5
01615	Endosulfan II	33213-65-9	N.D.	0.20	1.0	ug/l	5
01616	Endosulfan I	959-98-8	N.D.	0.10	0.50	ug/l	5
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.30	1.0	ug/l	5
01618	Endrin Aldehyde	7421-93-4	N.D.	1.2	5.0	ug/l	5
01619	PCB-1016	12674-11-2	N.D.	5.0	25.	ug/l	5
01620	PCB-1221	11104-28-2	N.D.	5.5	25.	ug/l	5
01621	PCB-1232	11141-16-5	N.D.	5.0	25.	ug/l	5
01622	PCB-1242	53469-21-9	N.D.	5.0	25.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR102320

**Lancaster Laboratories Sample No. WW 4587051**
**05-MET-030 Grab Water Sample**
**N(0-9)**
**Former Metro Container Investigation**

Collected: 08/18/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 08/30/2005 at 16:22

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

WMT30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	5.0	25.	ug/l	5
01624	PCB-1254	11097-69-1	N.D.	25.	25.	ug/l	5
01626	PCB-1260	11096-82-5	N.D.	25.	25.	ug/l	5
01860	Methoxychlor	72-43-5	N.D.	1.5	5.0	ug/l	5
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for aroclor-1254 and aroclor-1260.							
Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0093	0.028	ug/l	1
The surrogate recovery for the associated LCS is outside the QC limits. Since the ethylene dibromide spike recovery for the LCS and LCSD is within the QC limits, the data is reported.							
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102321

Lancaster Laboratories Sample No. WW 4587051

05-MET-030 Grab Water Sample

N(0-9)

Former Metro Container Investigation

Collected: 08/18/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:22

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	29. J	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	29. J	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	97.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	40. J	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	43. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	230.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	200.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	230.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	48. J	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	13. J	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	49. J	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	16. J	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	28. J	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	18. J	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102322

**Lancaster Laboratories Sample No. WW 4587051**
**05-MET-030 Grab Water Sample**
**N(0-9)**
**Former Metro Container Investigation**

Collected: 08/18/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 08/30/2005 at 16:22

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

WMT30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

\*=This limit was used in the evaluation of the final result

AR102323

Lancaster Laboratories Sample No. WW 4587051

05-MET-030 Grab Water Sample

N(0-9)

Former Metro Container Investigation

Collected: 08/18/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 08/30/2005 at 16:22

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

WMT30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/24/2005 09:02	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/22/2005 17:05	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/25/2005 14:55	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:24	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 12:54	[REDACTED]	5
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 13:15	[REDACTED]	50
07879	EDB	SW-846 8011	1	08/26/2005 14:16	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 03:19	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102324

**Lancaster Laboratories Sample No. WW 4587051**

**05-MET-030 Grab Water Sample**

**N(0-9)**

**Former Metro Container Investigation**

Collected: 08/18/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:22

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**WMT30**

07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 21:15	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/20/2005 10:15	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/19/2005 23:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 21:15	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/21/2005 19:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/20/2005 11:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/24/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/23/2005 14:55	[REDACTED]	1



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4587051  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP09915.i/05aug23c.b/lg23s06.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: not dec. Date Analyzed: 08/23/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	14.33	11	J
2.	!Unknown alicyclic	14.41	9	J
3.	!Unknown aromatic	14.59	13	J
4.	!Unknown alicyclic	14.68	15	J
5.	!Unknown alkane	14.75	12	J
6.	!Unknown alicyclic	14.82	11	J
7.	!Unknown aromatic	14.84	18	J
8.	!Unknown	14.93	13	J
9.	!Unknown aromatic	14.99	16	J
10.	!Unknown alicyclic	15.08	9	J
11.	!Unknown aromatic	15.19	13	J
12.	!Unknown alicyclic	15.33	9	J
13.	!Unknown aromatic	15.39	16	J
14.	!Unknown alicyclic	15.49	11	J
15.	!Unknown alicyclic	15.59	9	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102326

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4587051  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0791.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/20/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	4.032	740	J
2.	!Unknown	4.616	170	J
3.	!Unknown	4.758	340	J
4.	!Unknown Cycloalkane	5.237	220	J
5.	!Unknown Cycloalkane	5.797	410	J
6.	!Unknown	6.049	300	J
7.	!Unknown	6.621	270	J
8.	!Unknown Cycloalkane	6.793	240	J
9.	!Unknown	7.168	180	J
10.	!Unknown	7.334	220	J
11.	!Unknown Cycloalkane	7.900	320	J
12.	!Unknown	7.980	210	J
13.	!Unknown	8.115	320	J
14.	!Unknown	8.472	1000	J
15.	!Unknown Alkane	8.570	570	J
16.	!Phenanthrene, 2-methyl-	8.761	1700	JX
17.	!Unknown Alkane	8.908	950	J
18.	!Unknown	9.050	3800	J
19.	!Unknown	9.744	900	J
20.	!Unknown	9.972	1300	J
21.	!Unknown	10.138	990	J
22.	!Unknown	10.384	190	J
23.	!Chrysene, 3-methyl-	10.882	290	JX
24.	!Benzo[c]phenanthrene, 5,8-di	11.263	160	JX
25.	!Unknown	11.386	160	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102327



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4587052

05-MET-030 Filtered Grab Water Sample  
N(0-9)  
Former Metro Container Investigation

Collected: 08/18/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 08/30/2005 at 16:22  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FMT30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	14.4 J		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/24/2005 09:05	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/22/2005 17:10	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/21/2005 19:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102328

**Lancaster Laboratories Sample No. WW 4587053**
**05-MET-036 Grab Water Sample**
**N(5-15)**
**Former Metro Container Investigation**

Collected: 08/18/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:23

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	47.1	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	540.	50.0	100.	ug/l	5
07035	Arsenic	7440-38-2	986.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	1,200.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	174.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	50.0	4.9	25.0	ug/l	5
The quantitation limit for cadmium and thallium were increased due to the nature of the sample matrix.							
07051	Chromium	7440-47-3	10,900.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	8,730.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	12,800.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	4,720.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	3.5 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	25,300.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	68.	18.	60.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	0.46 J	0.40	2.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	1.3 J	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102329

**Lancaster Laboratories Sample No. WW 4587053**
**05-MET-036 Grab Water Sample**
**N(5-15)**
**Former Metro Container Investigation**

Collected: 08/18/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 08/30/2005 at 16:23

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

WMT36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	N.D.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0094	0.028	ug/l	1
The surrogate recovery for the associated LCS is outside the QC limits. Since the ethylene dibromide spike recovery for the LCS and LCSD is within the QC limits, the data is reported.							

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	100.	500.	ug/l	10
02752	1-Methylnaphthalene	90-12-0	N.D.	100.	500.	ug/l	10
03924	2-Chlorophenol	95-57-8	N.D.	100.	500.	ug/l	10
03925	Phenol	108-95-2	N.D.	100.	500.	ug/l	10
03926	2-Nitrophenol	88-75-5	N.D.	100.	500.	ug/l	10
03927	2,4-Dimethylphenol	105-67-9	N.D.	300.	1,000.	ug/l	10
03928	2,4-Dichlorophenol	120-83-2	N.D.	100.	500.	ug/l	10
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	100.	500.	ug/l	10
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	100.	500.	ug/l	10
03931	2,4-Dinitrophenol	51-28-5	N.D.	2,000.	6,000.	ug/l	10
03932	4-Nitrophenol	100-02-7	N.D.	1,000.	3,000.	ug/l	10
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	500.	1,500.	ug/l	10
03934	Pentachlorophenol	87-86-5	N.D.	300.	1,500.	ug/l	10
03935	N-Nitrosodimethylamine	62-75-9	N.D.	200.	500.	ug/l	10
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	100.	500.	ug/l	10
03937	1,3-Dichlorobenzene	541-73-1	N.D.	100.	500.	ug/l	10
03938	1,4-Dichlorobenzene	106-46-7	N.D.	100.	500.	ug/l	10
03939	1,2-Dichlorobenzene	95-50-1	N.D.	100.	500.	ug/l	10
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	100.	500.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102330

Lancaster Laboratories Sample No. WW 4587053

05-MET-036 Grab Water Sample

N(5-15)

Former Metro Container Investigation

Collected: 08/18/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:23

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03941	Hexachloroethane	67-72-1	N.D.	100.	500.	ug/l	10
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	100.	500.	ug/l	10
03943	Nitrobenzene	98-95-3	N.D.	100.	500.	ug/l	10
03944	Isophorone	78-59-1	N.D.	100.	500.	ug/l	10
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	100.	500.	ug/l	10
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	100.	500.	ug/l	10
03947	Naphthalene	91-20-3	N.D.	100.	500.	ug/l	10
03948	Hexachlorobutadiene	87-68-3	N.D.	100.	500.	ug/l	10
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	500.	1,500.	ug/l	10
03950	2-Chloronaphthalene	91-58-7	N.D.	100.	500.	ug/l	10
03951	Acenaphthylene	208-96-8	N.D.	100.	500.	ug/l	10
03952	Dimethylphthalate	131-11-3	N.D.	200.	500.	ug/l	10
03953	2,6-Dinitrotoluene	606-20-2	N.D.	100.	500.	ug/l	10
03954	Acenaphthene	83-32-9	N.D.	100.	500.	ug/l	10
03955	2,4-Dinitrotoluene	121-14-2	N.D.	100.	500.	ug/l	10
03956	Fluorene	86-73-7	N.D.	100.	500.	ug/l	10
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	100.	500.	ug/l	10
03958	Diethylphthalate	84-66-2	N.D.	200.	500.	ug/l	10
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	100.	500.	ug/l	10
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	200.	500.	ug/l	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	100.	500.	ug/l	10
03962	Hexachlorobenzene	118-74-1	N.D.	100.	500.	ug/l	10
03963	Phenanthrene	85-01-8	N.D.	100.	500.	ug/l	10
03964	Anthracene	120-12-7	N.D.	100.	500.	ug/l	10
03965	Di-n-butylphthalate	84-74-2	N.D.	200.	500.	ug/l	10
03966	Fluoranthene	206-44-0	500.	100.	500.	ug/l	10
03967	Pyrene	129-00-0	2,300.	100.	500.	ug/l	10
03968	Benzidine	92-87-5	N.D.	2,000.	6,000.	ug/l	10
03969	Butylbenzylphthalate	85-68-7	N.D.	200.	500.	ug/l	10
03970	Benzo(a)anthracene	56-55-3	3,200.	100.	500.	ug/l	10
03971	Chrysene	218-01-9	1,200.	100.	500.	ug/l	10
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	200.	500.	ug/l	10
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	200.	500.	ug/l	10
03974	Di-n-octylphthalate	117-84-0	N.D.	200.	500.	ug/l	10
03975	Benzo(b)fluoranthene	205-99-2	630.	100.	500.	ug/l	10
03976	Benzo(k)fluoranthene	207-08-9	180.	J 100.	500.	ug/l	10
03977	Benzo(a)pyrene	50-32-8	620.	100.	500.	ug/l	10
03978	Indeno(1,2,3-cd)pyrene	193-39-5	190.	J 100.	500.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102331

**Lancaster Laboratories Sample No. WW 4587053**
**05-MET-036 Grab Water Sample**
**N(5-15)**
**Former Metro Container Investigation**

Collected: 08/18/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:23

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03979	Dibenz(a,h)anthracene	53-70-3	290. J	100.	500.	ug/l	10
03980	Benzo(g,h,i)perylene	191-24-2	270. J	100.	500.	ug/l	10

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102332

**Lancaster Laboratories Sample No. WW 4587053**
**05-MET-036 Grab Water Sample**
**N(5-15)**
**Former Metro Container Investigation**

Collected: 08/18/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 08/30/2005 at 16:23

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

WMT36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/24/2005 09:07	<span style="background-color: black; color: black;">[REDACTED]</span>	50
07022	Thallium	SW-846 6010B	1	08/24/2005 22:06	<span style="background-color: black; color: black;">[REDACTED]</span>	5
07035	Arsenic	SW-846 6010B	1	08/23/2005 21:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/23/2005 21:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/23/2005 21:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/23/2005 21:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 22:06	<span style="background-color: black; color: black;">[REDACTED]</span>	5
07051	Chromium	SW-846 6010B	1	08/23/2005 21:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/22/2005 17:15	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/23/2005 21:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/23/2005 21:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/23/2005 21:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/23/2005 21:09	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/25/2005 14:57	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:25	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR102333



Lancaster Laboratories Sample No. WW 4587053

05-MET-036 Grab Water Sample

N(5-15)

Former Metro Container Investigation

Collected: 08/18/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:23

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## WMT36

01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 13:35	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/26/2005 15:17	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 12:52	[REDACTED]	10
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 21:37	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/20/2005 10:15	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/19/2005 23:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 21:37	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/21/2005 19:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/20/2005 11:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/24/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/23/2005 14:55	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4587053  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP09915.i/05aug23c.b/lg23s07.d  
 Level: (low/med) LOW      Date Received: 08/18/05  
 % Moisture: not dec.      Date Analyzed: 08/23/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	14.34	10	J
2.	!Unknown aromatic	14.48	8	J
3.	!Unknown aromatic	14.58	10	J
4.	!Unknown	14.71	13	J
5.	!Unknown	14.76	11	J
6.	!Unknown aromatic	14.85	12	J
7.	!Unknown aromatic	14.93	9	J
8.	!Unknown aromatic	14.98	17	J
9.	!Unknown aromatic	15.15	11	J
10.	!Unknown	15.21	12	J
11.	!Unknown	15.29	11	J
12.	!Unknown	15.33	18	J
13.	!Unknown alicyclic	15.50	10	J
14.	!Unknown aromatic	15.60	10	J
15.	!Unknown	15.89	8	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102335

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4587053  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0814.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/20/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	3.196	1100	J
2.	!Unknown	5.901	890	J
3.	!Unknown	6.123	1200	J
4.	!Unknown	6.817	1100	J
5.	!Unknown	7.340	2200	J
6.	!1,1'-Biphenyl, 2-ethyl-	7.783	3100	JX
7.	!Unknown	7.973	2400	J
8.	!Unknown	8.170	3400	J
9.	!Unknown	8.422	3700	J
10.	!Unknown	8.619	1500	J
11.	!Unknown	8.791	1100	J
12.	!Unknown	9.062	1100	J
13.	!Unknown	9.750	2800	J
14.	!Pyrene, 2-methyl-	9.861	2000	JX
15.	!Unknown Alkane	10.021	2600	J
16.	!Unknown	10.144	970	J
17.	!Unknown	10.304	2800	J
18.	!Triphenylene, 2-methyl-	10.888	2600	JX
19.	!Unknown	11.238	2800	J
20.	!Unknown	11.269	2800	J
21.	!Unknown	11.306	850	J
22.	!Unknown	11.337	1600	J
23.	!Unknown	11.392	2300	J
24.	!Benzo[a]pyrene	11.755	1500	JX
25.	!Unknown	12.603	1100	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102336



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4587054

05-MET-036 Filtered Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/18/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 08/30/2005 at 16:23  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FMT36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.31	1.0	ug/l	5
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	0.94 J		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	1.7 J		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	6.0 J		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.0 J		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	89.9		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	453.		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/24/2005 09:08	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/22/2005 17:29	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/21/2005 19:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102337

**Lancaster Laboratories Sample No. WW 4587055**
**05-MET-035 Grab Water Sample**
**N(5-15)**
**Former Metro Container Investigation**

Collected: 08/18/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:23

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	6.2 J	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	40.1	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	162.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	44.6	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	118.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	3.2 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	5.7	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	631.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2,980.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	9,290.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	233.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	4.2 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	2,050.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	55.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	2.0	10.	ug/l	50
01601	Beta BHC	319-85-7	N.D.	12.	40.	ug/l	50
01602	Gamma BHC - Lindane	58-89-9	N.D.	2.0	10.	ug/l	50
01603	Delta BHC	319-86-8	N.D.	3.8	10.	ug/l	50
01604	Heptachlor	76-44-8	N.D.	2.0	10.	ug/l	50
01605	Aldrin	309-00-2	N.D.	5.0	20.	ug/l	50
01606	Heptachlor Epoxide	1024-57-3	N.D.	2.0	10.	ug/l	50
01607	p,p-DDE	72-55-9	7.8 J	4.0	20.	ug/l	50
01608	p,p-DDD	72-54-8	N.D.	6.0	20.	ug/l	50
01609	p,p-DDT	50-29-3	9.7 J	6.0	20.	ug/l	50
01610	Dieldrin	60-57-1	N.D.	10.	30.	ug/l	50
01611	Endrin	72-20-8	23.	4.0	20.	ug/l	50
01612	Chlordane	57-74-9	N.D.	70.	500.	ug/l	50
01613	Toxaphene	8001-35-2	N.D.	300.	1,000.	ug/l	50
01615	Endosulfan II	33213-65-9	6.6 J	4.0	20.	ug/l	50
01616	Endosulfan I	959-98-8	N.D.	2.0	10.	ug/l	50
01617	Endosulfan Sulfate	1031-07-8	N.D.	6.0	20.	ug/l	50
01618	Endrin Aldehyde	7421-93-4	N.D.	23.	100.	ug/l	50
01619	PCB-1016	12674-11-2	N.D.	100.	500.	ug/l	50
01620	PCB-1221	11104-28-2	N.D.	110.	500.	ug/l	50

\*=This limit was used in the evaluation of the final result

AR102338

**Lancaster Laboratories Sample No. WW 4587055**
**05-MET-035 Grab Water Sample**
**N(5-15)**
**Former Metro Container Investigation**

Collected: 08/18/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:23

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	100.	500.	ug/l	50
01622	PCB-1242	53469-21-9	N.D.	100.	500.	ug/l	50
01623	PCB-1248	12672-29-6	N.D.	100.	500.	ug/l	50
01624	PCB-1254	11097-69-1	N.D.	500.	500.	ug/l	50
01626	PCB-1260	11096-82-5	N.D.	500.	500.	ug/l	50
01860	Methoxychlor	72-43-5	N.D.	30.	100.	ug/l	50

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for aroclor-1254 and aroclor-1260.

Despite cleanup methods, we were unable to reach our usual reporting limits.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.19	0.57	ug/l	20
-------	--------------------	----------	------	------	------	------	----

The surrogate recovery for the associated LCS is outside the QC limits. Since the ethylene dibromide spike recovery for the LCS and LCSD is within the QC limits, the data is reported.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Accurate surrogate recovery could not be determined due to the dilution required for analysis of the sample.

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	20.	100.	ug/l	2
02752	1-Methylnaphthalene	90-12-0	85. J	20.	100.	ug/l	2
03924	2-Chlorophenol	95-57-8	N.D.	20.	100.	ug/l	2
03925	Phenol	108-95-2	N.D.	20.	100.	ug/l	2
03926	2-Nitrophenol	88-75-5	N.D.	20.	100.	ug/l	2
03927	2,4-Dimethylphenol	105-67-9	N.D.	60.	200.	ug/l	2
03928	2,4-Dichlorophenol	120-83-2	N.D.	20.	100.	ug/l	2
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	20.	100.	ug/l	2
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	20.	100.	ug/l	2
03931	2,4-Dinitrophenol	51-28-5	N.D.	400.	1,200.	ug/l	2
03932	4-Nitrophenol	100-02-7	N.D.	200.	600.	ug/l	2
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	100.	300.	ug/l	2

\*=This limit was used in the evaluation of the final result

AR102339

**Lancaster Laboratories Sample No. WW 4587055**
**05-MET-035 Grab Water Sample**
**N(5-15)**
**Former Metro Container Investigation**

Collected: 08/18/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:23

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03934	Pentachlorophenol	87-86-5	N.D.	60.	300.	ug/l	2
03935	N-Nitrosodimethylamine	62-75-9	N.D.	40.	100.	ug/l	2
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	20.	100.	ug/l	2
03937	1,3-Dichlorobenzene	541-73-1	N.D.	20.	100.	ug/l	2
03938	1,4-Dichlorobenzene	106-46-7	N.D.	20.	100.	ug/l	2
03939	1,2-Dichlorobenzene	95-50-1	N.D.	20.	100.	ug/l	2
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	20.	100.	ug/l	2
03941	Hexachloroethane	67-72-1	N.D.	20.	100.	ug/l	2
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	20.	100.	ug/l	2
03943	Nitrobenzene	98-95-3	N.D.	20.	100.	ug/l	2
03944	Isophorone	78-59-1	N.D.	20.	100.	ug/l	2
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	20.	100.	ug/l	2
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	20.	100.	ug/l	2
03947	Naphthalene	91-20-3	77. J	20.	100.	ug/l	2
03948	Hexachlorobutadiene	87-68-3	N.D.	20.	100.	ug/l	2
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	100.	300.	ug/l	2
03950	2-Chloronaphthalene	91-58-7	N.D.	20.	100.	ug/l	2
03951	Acenaphthylene	208-96-8	N.D.	20.	100.	ug/l	2
03952	Dimethylphthalate	131-11-3	N.D.	40.	100.	ug/l	2
03953	2,6-Dinitrotoluene	606-20-2	N.D.	20.	100.	ug/l	2
03954	Acenaphthene	83-32-9	31. J	20.	100.	ug/l	2
03955	2,4-Dinitrotoluene	121-14-2	N.D.	20.	100.	ug/l	2
03956	Fluorene	86-73-7	37. J	20.	100.	ug/l	2
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	20.	100.	ug/l	2
03958	Diethylphthalate	84-66-2	N.D.	40.	100.	ug/l	2
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	20.	100.	ug/l	2
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	40.	100.	ug/l	2
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	20.	100.	ug/l	2
03962	Hexachlorobenzene	118-74-1	N.D.	20.	100.	ug/l	2
03963	Phenanthrene	85-01-8	370.	20.	100.	ug/l	2
03964	Anthracene	120-12-7	160.	20.	100.	ug/l	2
03965	Di-n-butylphthalate	84-74-2	N.D.	40.	100.	ug/l	2
03966	Fluoranthene	206-44-0	170.	20.	100.	ug/l	2
03967	Pyrene	129-00-0	890.	20.	100.	ug/l	2
03968	Benzidine	92-87-5	N.D.	400.	1,200.	ug/l	2
03969	Butylbenzylphthalate	85-68-7	N.D.	40.	100.	ug/l	2
03970	Benzo(a)anthracene	56-55-3	1,100.	20.	100.	ug/l	2
03971	Chrysene	218-01-9	1,600.	20.	100.	ug/l	2

\*=This limit was used in the evaluation of the final result

AR102340

Lancaster Laboratories Sample No. WW 4587055

05-MET-035 Grab Water Sample

N(5-15)

Former Metro Container Investigation

Collected: 08/18/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:23

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	40.	100.	ug/l	2
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	40.	100.	ug/l	2
03974	Di-n-octylphthalate	117-84-0	N.D.	40.	100.	ug/l	2
03975	Benzo(b)fluoranthene	205-99-2	410.	20.	100.	ug/l	2
03976	Benzo(k)fluoranthene	207-08-9	110.	20.	100.	ug/l	2
03977	Benzo(a)pyrene	50-32-8	580.	20.	100.	ug/l	2
03978	Indeno(1,2,3-cd)pyrene	193-39-5	140.	20.	100.	ug/l	2
03979	Dibenz(a,h)anthracene	53-70-3	300.	20.	100.	ug/l	2
03980	Benzo(g,h,i)perylene	191-24-2	410.	20.	100.	ug/l	2

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3.	25.	ug/l	5
02015	t-Butyl alcohol	75-65-0	N.D.	50.	400.	ug/l	5
05385	Chloromethane	74-87-3	5. J	5.	25.	ug/l	5
05386	Vinyl Chloride	75-01-4	N.D.	5.	25.	ug/l	5
05387	Bromomethane	74-83-9	N.D.	5.	25.	ug/l	5
05388	Chloroethane	75-00-3	5. J	5.	25.	ug/l	5
05389	Trichlorofluoromethane	75-69-4	N.D.	10.	25.	ug/l	5
05390	1,1-Dichloroethene	75-35-4	N.D.	4.	25.	ug/l	5
05391	Methylene Chloride	75-09-2	N.D.	10.	25.	ug/l	5
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	4.	25.	ug/l	5
05393	1,1-Dichloroethane	75-34-3	N.D.	5.	25.	ug/l	5
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	4.	25.	ug/l	5
05396	Chloroform	67-66-3	N.D.	4.	25.	ug/l	5
05398	1,1,1-Trichloroethane	71-55-6	N.D.	4.	25.	ug/l	5
05399	Carbon Tetrachloride	56-23-5	N.D.	5.	25.	ug/l	5
05401	Benzene	71-43-2	4. J	3.	25.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	N.D.	5.	25.	ug/l	5
05403	Trichloroethene	79-01-6	N.D.	5.	25.	ug/l	5
05404	1,2-Dichloropropane	78-87-5	N.D.	5.	25.	ug/l	5
05406	Bromodichloromethane	75-27-4	N.D.	5.	25.	ug/l	5
05407	Toluene	108-88-3	12. J	4.	25.	ug/l	5
05408	1,1,2-Trichloroethane	79-00-5	N.D.	4.	25.	ug/l	5
05409	Tetrachloroethene	127-18-4	N.D.	4.	25.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR102341



Lancaster Laboratories Sample No. WW 4587055

05-MET-035 Grab Water Sample

N(5-15)

Former Metro Container Investigation

Collected: 08/18/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:23

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05411	Dibromochloromethane	124-48-1	N.D.	5.	25.	ug/l	5
05413	Chlorobenzene	108-90-7	N.D.	4.	25.	ug/l	5
05415	Ethylbenzene	100-41-4	14. J	4.	25.	ug/l	5
05419	Bromoform	75-25-2	N.D.	5.	25.	ug/l	5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.	25.	ug/l	5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.	25.	ug/l	5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.	25.	ug/l	5
06310	Xylene (Total)	1330-20-7	55.	4.	25.	ug/l	5
06875	Acrylonitrile	107-13-1	N.D.	20.	100.	ug/l	5
06888	Acrolein	107-02-8	N.D.	200.	500.	ug/l	5
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	10.	50.	ug/l	5
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample. The usual reporting limits could not be attained due to the matrix of the sample in the GC/MS volatile analysis.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/24/2005 09:09	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102342

Lancaster Laboratories Sample No. WW 4587055

05-MET-035 Grab Water Sample

N(5-15)

Former Metro Container Investigation

Collected: 08/18/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:23

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT35

07044	Antimony	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/22/2005 17:34	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/25/2005 14:58	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:26	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 13:56	[REDACTED]	50
07879	EDB	SW-846 8011	1	08/26/2005 15:47	[REDACTED]	20
04678	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 13:14	[REDACTED]	2
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 22:22	[REDACTED]	5
00813	BNA Water Extraction	SW-846 3510C	1	08/20/2005 10:15	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/19/2005 23:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 22:22	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/21/2005 19:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/20/2005 11:00	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/24/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/23/2005 14:55	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102343

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4587055  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP09915.i/05aug23c.b/lg23s09.d  
 Level: (low/med) LOW      Date Received: 08/18/05  
 % Moisture: not dec.      Date Analyzed: 08/23/05  
 Column: (pack/cap) CAP      Dilution Factor: 5.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 11

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.33	35	J
2.	!Unknown aromatic	12.39	48	J
3.	!Unknown aromatic	12.68	55	J
4.	!Unknown aromatic	13.14	31	J
5.	!Unknown alkane	13.24	45	J
6.	!Unknown alkane	13.97	78	J
7.	!Unknown aromatic	14.06	56	J
8.	!Unknown aromatic	14.37	42	J
9. 91-20-3	Naphthalene	14.50	27	J
10.	!Unknown alkane	14.62	72	J
11.	!Unknown	15.25	84	J
12.				
13.				
14.				
15.				
16.				
17.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102344

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4587055  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0815.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/20/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 2  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	8.164	1500	J
2.	!Unknown	8.576	2100	J
3.	!Unknown Alkane	8.736	1900	J
4.	!Unknown Alkane	8.865	1500	J
5.	!Unknown Alkane	9.099	1300	J
6.	!Unknown Alkane	9.191	2100	J
7.	!Unknown	9.388	3200	J
8.	!Unknown Alkane	9.695	1300	J
9.	!Unknown Alkane	9.806	2000	J
10.	!Unknown Alkane	9.916	2100	J
11.	!Unknown Alkane	10.107	58000	J
12.	!Unknown Alkane	10.396	46000	J
13.	!Unknown Alkane	10.685	40000	J
14.	!Unknown Alkane	11.054	9500	J
15.	!Unknown	11.140	1300	J
16.	!Unknown	11.171	1400	J
17.	!Unknown Alkane	11.251	4000	J
18.	!Unknown Alkane	11.343	4800	J
19.	!Unknown Alkane	11.558	2700	J
20.	!Unknown Alkane	11.663	3200	J
21.	!Benzo[e]pyrene	11.767	1400	JX
22.	!Unknown Alkane	11.909	1600	J
23.	!Unknown Alkane	12.025	2700	J
24.	!Unknown Alkane	12.437	1900	J
25.	!Unknown Alkane	12.935	1300	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102345



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4587056

05-MET-035 Filtered Grab Water Sample  
N(5-15)  
Former Metro Container Investigation

Collected: 08/18/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 08/30/2005 at 16:24  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FMT35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	8.0 J	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	39.5	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	34.6	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT	Analysis						Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
00259	Mercury	SW-846 7470A	1	08/24/2005 09:11		1	
07022	Thallium	SW-846 6010B	1	08/22/2005 17:38		1	
07035	Arsenic	SW-846 6010B	1	08/22/2005 17:38		1	
07036	Selenium	SW-846 6010B	1	08/22/2005 17:38		1	
07044	Antimony	SW-846 6010B	1	08/22/2005 17:38		1	
07047	Beryllium	SW-846 6010B	1	08/22/2005 17:38		1	
07049	Cadmium	SW-846 6010B	1	08/22/2005 17:38		1	
07051	Chromium	SW-846 6010B	1	08/22/2005 17:38		1	
07053	Copper	SW-846 6010B	1	08/22/2005 17:38		1	
07055	Lead	SW-846 6010B	1	08/22/2005 17:38		1	
07061	Nickel	SW-846 6010B	1	08/22/2005 17:38		1	
07066	Silver	SW-846 6010B	1	08/22/2005 17:38		1	
07072	Zinc	SW-846 6010B	1	08/22/2005 17:38		1	
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/21/2005 19:00		1	
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30		1	

\*=This limit was used in the evaluation of the final result

AR102346

Lancaster Laboratories Sample No. WW 4587057

05-MET-034 Grab Water Sample

N(0-17)

Former Metro Container Investigation

Collected: 08/18/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:24

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	44.9	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	49.5	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	1,030.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	99.9	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	308.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	99.0	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	47.0	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	2,580.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	4,750.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	8,310.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	869.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	6.2	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	14,600.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	25. J	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.80	4.0	ug/l	20
01601	Beta BHC	319-85-7	N.D.	4.8	16.	ug/l	20
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.80	4.0	ug/l	20
01603	Delta BHC	319-86-8	N.D.	1.5	4.0	ug/l	20
01604	Heptachlor	76-44-8	N.D.	0.80	4.0	ug/l	20
01605	Aldrin	309-00-2	N.D.	2.0	8.0	ug/l	20
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.80	4.0	ug/l	20
01607	p,p-DDE	72-55-9	4.3 J	1.6	8.0	ug/l	20
01608	p,p-DDD	72-54-8	N.D.	2.4	8.0	ug/l	20
01609	p,p-DDT	50-29-3	3.0 J	2.4	8.0	ug/l	20
01610	Dieldrin	60-57-1	N.D.	4.0	12.	ug/l	20
01611	Endrin	72-20-8	6.3 J	1.6	8.0	ug/l	20
01612	Chlordane	57-74-9	N.D.	28.	200.	ug/l	20
01613	Toxaphene	8001-35-2	N.D.	120.	400.	ug/l	20
01615	Endosulfan II	33213-65-9	3.3 J	1.6	8.0	ug/l	20
01616	Endosulfan I	959-98-8	N.D.	0.80	4.0	ug/l	20
01617	Endosulfan Sulfate	1031-07-8	N.D.	2.4	8.0	ug/l	20
01618	Endrin Aldehyde	7421-93-4	N.D.	9.2	40.	ug/l	20
01619	PCB-1016	12674-11-2	N.D.	40.	200.	ug/l	20
01620	PCB-1221	11104-28-2	N.D.	44.	200.	ug/l	20
01621	PCB-1232	11141-16-5	N.D.	40.	200.	ug/l	20
01622	PCB-1242	53469-21-9	N.D.	40.	200.	ug/l	20

\*=This limit was used in the evaluation of the final result

AR102347

**Lancaster Laboratories Sample No. WW 4587057**
**05-MET-034 Grab Water Sample**
**N(0-17)**
**Former Metro Container Investigation**

Collected: 08/18/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 08/30/2005 at 16:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

WMT34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	40.	200.	ug/l	20
01624	PCB-1254	11097-69-1	N.D.	200.	200.	ug/l	20
01626	PCB-1260	11096-82-5	N.D.	200.	200.	ug/l	20
01860	Methoxychlor	72-43-5	N.D.	12.	40.	ug/l	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for aroclor-1254 and aroclor-1260.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.19	0.57	ug/l	20
-------	--------------------	----------	------	------	------	------	----

The surrogate recovery for the associated LCS is outside the QC limits. Since the ethylene dibromide spike recovery for the LCS and LCSD is within the QC limits, the data is reported.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Accurate surrogate recovery could not be determined due to the dilution required for analysis of the sample.

04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	50.	250.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	300.	50.	250.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	50.	250.	ug/l	1
03925	Phenol	108-95-2	N.D.	50.	250.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	50.	250.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	150.	500.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	50.	250.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	50.	250.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	50.	250.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	1,000.	3,000.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	500.	1,500.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	250.	750.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102348

**Lancaster Laboratories Sample No. WW 4587057**
**05-MET-034 Grab Water Sample**
**N(0-17)**
**Former Metro Container Investigation**

Collected: 08/18/2005 14:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:24

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03934	Pentachlorophenol	87-86-5	N.D.	150.	750.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	100.	250.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	50.	250.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	50.	250.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	50.	250.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	50.	250.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	50.	250.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	50.	250.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	50.	250.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	50.	250.	ug/l	1
03944	Isophorone	78-59-1	N.D.	50.	250.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	50.	250.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	50.	250.	ug/l	1
03947	Naphthalene	91-20-3	220. J	50.	250.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	50.	250.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	250.	750.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	50.	250.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	50.	250.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	100.	250.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	50.	250.	ug/l	1
03954	Acenaphthene	83-32-9	200. J	50.	250.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	50.	250.	ug/l	1
03956	Fluorene	86-73-7	220. J	50.	250.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	50.	250.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	100.	250.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	50.	250.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	100.	250.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	50.	250.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	50.	250.	ug/l	1
03963	Phenanthrene	85-01-8	2,100.	50.	250.	ug/l	1
03964	Anthracene	120-12-7	560.	50.	250.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	100.	250.	ug/l	1
03966	Fluoranthene	206-44-0	930.	50.	250.	ug/l	1
03967	Pyrene	129-00-0	3,600.	50.	250.	ug/l	1
03968	Benzidine	92-87-5	N.D.	1,000.	3,000.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	100.	250.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	3,900.	50.	250.	ug/l	1
03971	Chrysene	218-01-9	6,400.	100.	500.	ug/l	2

\*=This limit was used in the evaluation of the final result

AR102349



**Lancaster Laboratories Sample No. WW 4587057**
**05-MET-034 Grab Water Sample**
**N(0-17)**
**Former Metro Container Investigation**

Collected: 08/18/2005 14:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:24

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	100.	250.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	100.	250.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	100.	250.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	1,500.	50.	250.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	310.	50.	250.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	1,700.	50.	250.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	550.	50.	250.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	1,100.	50.	250.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	1,300.	50.	250.	ug/l	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3.	25.	ug/l	5
02015	t-Butyl alcohol	75-65-0	N.D.	50.	400.	ug/l	5
05385	Chloromethane	74-87-3	N.D.	5.	25.	ug/l	5
05386	Vinyl Chloride	75-01-4	N.D.	5.	25.	ug/l	5
05387	Bromomethane	74-83-9	N.D.	5.	25.	ug/l	5
05388	Chloroethane	75-00-3	N.D.	5.	25.	ug/l	5
05389	Trichlorofluoromethane	75-69-4	N.D.	10.	25.	ug/l	5
05390	1,1-Dichloroethene	75-35-4	N.D.	4.	25.	ug/l	5
05391	Methylene Chloride	75-09-2	N.D.	10.	25.	ug/l	5
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	4.	25.	ug/l	5
05393	1,1-Dichloroethane	75-34-3	N.D.	5.	25.	ug/l	5
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	4.	25.	ug/l	5
05396	Chloroform	67-66-3	N.D.	4.	25.	ug/l	5
05398	1,1,1-Trichloroethane	71-55-6	N.D.	4.	25.	ug/l	5
05399	Carbon Tetrachloride	56-23-5	N.D.	5.	25.	ug/l	5
05401	Benzene	71-43-2	N.D.	3.	25.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	N.D.	5.	25.	ug/l	5
05403	Trichloroethene	79-01-6	N.D.	5.	25.	ug/l	5
05404	1,2-Dichloropropane	78-87-5	N.D.	5.	25.	ug/l	5
05406	Bromodichloromethane	75-27-4	N.D.	5.	25.	ug/l	5
05407	Toluene	108-88-3	N.D.	4.	25.	ug/l	5
05408	1,1,2-Trichloroethane	79-00-5	N.D.	4.	25.	ug/l	5
05409	Tetrachloroethene	127-18-4	N.D.	4.	25.	ug/l	5
05411	Dibromochloromethane	124-48-1	N.D.	5.	25.	ug/l	5

\*=This limit was used in the evaluation of the final result

AR102350

Lancaster Laboratories Sample No. WW 4587057

05-MET-034 Grab Water Sample

N(0-17)

Former Metro Container Investigation

Collected: 08/18/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:24

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05413	Chlorobenzene	108-90-7	N.D.	4.	25.	ug/l	5
05415	Ethylbenzene	100-41-4	N.D.	4.	25.	ug/l	5
05419	Bromoform	75-25-2	N.D.	5.	25.	ug/l	5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.	25.	ug/l	5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.	25.	ug/l	5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.	25.	ug/l	5
06310	Xylene (Total)	1330-20-7	16. J	4.	25.	ug/l	5
06875	Acrylonitrile	107-13-1	N.D.	20.	100.	ug/l	5
06888	Acrolein	107-02-8	N.D.	200.	500.	ug/l	5
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	10.	50.	ug/l	5
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample. The usual reporting limits could not be attained due to the matrix of the sample in the GC/MS volatile analysis.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/24/2005 09:12	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1

\*This limit was used in the evaluation of the final result

AR102351

**Lancaster Laboratories Sample No. WW 4587057**

**05-MET-034 Grab Water Sample**

**N(0-17)**

**Former Metro Container Investigation**

Collected: 08/18/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:24

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMT34

07049	Cadmium	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/22/2005 17:43	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/25/2005 15:05	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:28	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 14:16	[REDACTED]	20
07879	EDB	SW-846 8011	1	08/26/2005 16:17	[REDACTED]	20
04678	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 04:26	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 13:36	[REDACTED]	2
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 22:44	[REDACTED]	5
00813	BNA Water Extraction	SW-846 3510C	1	08/20/2005 10:15	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/19/2005 23:35	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 22:44	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/21/2005 19:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/20/2005 11:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/24/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/23/2005 14:55	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102352

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4587057  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP09915.i/05aug23c.b/lg23s10.d  
 Level: (low/med) LOW      Date Received: 08/18/05  
 % Moisture: not dec.      Date Analyzed: 08/23/05  
 Column: (pack/cap) CAP      Dilution Factor: 5.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 8

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	12.38	36	J
2.	!Unknown alkane	13.24	44	J
3.	!Unknown alkane	13.97	59	J
4.	!Unknown aromatic	14.07	43	J
5.	!Unknown aromatic	14.37	25	J
6.	!Unknown alkane	14.62	64	J
7.	!Unknown	15.25	71	J
8.	!Unknown aromatic	15.39	28	J
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102353

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4587057  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0794.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/20/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	7.783	3100	J
2.	!Unknown Alkane	8.158	4800	J
3.	!Unknown Alkane	8.521	7000	J
4.	!Unknown Alkane	8.865	5500	J
5.	!Unknown Alkane	9.191	5100	J
6.	!Unknown Alkane	9.388	3200	J
7.	!Unknown	11.195	9900	J
8.	!Unknown Alkane	11.251	17000	J
9.	!Benzo[c]phenanthrene, 5,8-di	11.288	4400	JX
10.	!Unknown Cycloalkane	11.306	5200	J
11.	!Unknown Alkane	11.343	24000	J
12.	!Unknown	11.423	3100	J
13.	!Unknown Alkane	11.441	4300	J
14.	!Unknown Alkane	11.564	19000	J
15.	!Unknown	11.632	4200	J
16.	!Unknown Alkane	11.663	9500	J
17.	!Unknown	11.706	8000	J
18.	!Benzo[e]pyrene	11.779	6900	JX
19.	!Unknown Alkane	11.915	12000	J
20.	!Unknown Alkane	12.025	7400	J
21.	!Unknown	12.185	4800	J
22.	!Unknown Alkane	12.320	6600	J
23.	!Unknown Alkane	12.443	4200	J
24.	!Unknown Alkane	12.782	4100	J
25.	!Unknown Alkane	12.929	3600	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102354



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4587058

05-MET-034 Filtered Grab Water Sample  
N(0-17)  
Former Metro Container Investigation

Collected: 08/18/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 08/30/2005 at 16:24  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

FMT34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method Detection Limit*	Limit of Quantitation		
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/24/2005 09:13	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/22/2005 17:48	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/21/2005 19:00	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102355

**Lancaster Laboratories Sample No. WW 4587059**
**EB081805W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/18/2005 15:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:25

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMTEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	5.6 J	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0096	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.011	0.038	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0096	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0036	0.0096	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0096	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0096	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0038	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0057	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0057	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0096	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0038	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.067	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.96	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0038	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0096	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0057	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.096	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.096	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.096	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.096	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102356

**Lancaster Laboratories Sample No. WW 4587059**
**EB081805W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/18/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:25

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMTEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.096	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.096	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.096	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
	The surrogate recovery for the associated LCS is outside the QC limits. Since the ethylene dibromide spike recovery for the LCS and LCSD is within the QC limits, the data is reported.						
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102357



Lancaster Laboratories Sample No. WW 4587059

EB081805W Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/18/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:25

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMTEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102358

Lancaster Laboratories Sample No. WW 4587059

EB081805W Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/18/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:25

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMTEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached

\*=This limit was used in the evaluation of the final result

AR102359

**Lancaster Laboratories Sample No. WW 4587059**
**EB081805W Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/18/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00

Montgomery Watson Harza

Reported: 08/30/2005 at 16:25

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

WMTEB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
00259	Mercury	SW-846 7470A	1	08/24/2005 09:15			1
07022	Thallium	SW-846 6010B	1	08/22/2005 17:53			1
07035	Arsenic	SW-846 6010B	1	08/22/2005 17:53			1
07036	Selenium	SW-846 6010B	1	08/22/2005 17:53			1
07044	Antimony	SW-846 6010B	1	08/22/2005 17:53			1
07047	Beryllium	SW-846 6010B	1	08/22/2005 17:53			1
07049	Cadmium	SW-846 6010B	1	08/22/2005 17:53			1
07051	Chromium	SW-846 6010B	1	08/22/2005 17:53			1
07053	Copper	SW-846 6010B	1	08/22/2005 17:53			1
07055	Lead	SW-846 6010B	1	08/22/2005 17:53			1
07061	Nickel	SW-846 6010B	1	08/22/2005 17:53			1
07066	Silver	SW-846 6010B	1	08/22/2005 17:53			1
07072	Zinc	SW-846 6010B	1	08/22/2005 17:53			1
02393	Phenols	SW846 9066	1	08/25/2005 15:06			1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:29			1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 14:37			1
07879	EDB	SW-846 8011	1	08/26/2005 17:17			1
04678	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 04:48			1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 23:06			1
00813	BNA Water Extraction	SW-846 3510C	1	08/20/2005 10:15			1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/19/2005 23:35			1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 23:06			n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/21/2005 19:00			1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/23/2005 19:30			1
07786	EDB Extraction	SW-846 8011	1	08/20/2005 11:00			1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/24/2005 14:20			1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/23/2005 14:55			1

\*=This limit was used in the evaluation of the final result

AR102360

**Lancaster Laboratories Sample No. WW 4587059**

**EB081805W Equipment Blank Grab Water Sample**

**EB**

**Former Metro Container Investigation**

Collected: 08/18/2005 15:30

by



Account Number: 11549

Submitted: 08/18/2005 18:00

Reported: 08/30/2005 at 16:25

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WMTEB

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	_____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4587059	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP09915.i/05aug23c.b/lg23s11.d	
Level: (low/med) LOW	Date Received: 08/18/05	
% Moisture: not dec.	Date Analyzed: 08/23/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102362

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. \_\_\_\_\_

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4587059  
 Sample wt/vol: 1051 (g/mL) mL Lab File ID: oh0795.d  
 Level: (low/med) LOW Date Received: 08/18/05  
 % Moisture: \_\_\_\_\_ Date Extracted: 08/20/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sepf  
 \_\_\_\_\_ CONCENTRATION UNITS: \_\_\_\_\_  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.064	30	J
2.	!Unknown Alkane	10.088	29	J
3.	!Unknown	10.297	17	J
4.	!Unknown	10.746	17	J
5.	!Unknown	10.992	32	J
6.	!Unknown	11.244	16	J
7.	!Unknown	11.263	10	J
8.	!Unknown	11.281	24	J
9.	!Unknown Alkane	11.343	23	J
10.	!Unknown	11.386	39	J
11.	!Unknown	11.478	19	J
12.	!Unknown	11.515	10	J
13.	!Unknown	11.552	10	J
14.	!Unknown	11.601	18	J
15.	!Unknown	11.632	15	J
16.	!Unknown	11.675	33	J
17.	!Unknown	11.730	10	J
18.	!Unknown	11.755	24	J
19.	!Unknown	11.896	18	J
20.	!Unknown	11.951	16	J
21.	!Unknown	12.007	16	J
22.	!Unknown	12.062	11	J
23.	!Unknown	12.167	19	J
24.	!Unknown	12.216	11	J
25.	!Unknown	12.302	17	J
26.	_____	_____	_____	_____
27.	_____	_____	_____	_____
28.	_____	_____	_____	_____
29.	_____	_____	_____	_____
30.	_____	_____	_____	_____

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102363

**Lancaster Laboratories Sample No. WW 4587060**
**TB081805W Trip Blank Water Sample  
TB  
Former Metro Container Investigation**

Collected: 08/18/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 08/30/2005 at 16:25  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMTTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
	The surrogate recovery for the associated LCS is outside the QC limits. Since the ethylene dibromide spike recovery for the LCS and LCSD is within the QC limits, the data is reported.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102364

Lancaster Laboratories Sample No. WW 4587060

TB081805W Trip Blank Water Sample  
TB  
Former Metro Container Investigation

Collected: 08/18/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/18/2005 18:00  
Reported: 08/30/2005 at 16:25  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WMTTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/26/2005 17:47	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 23:29	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 23:29	[REDACTED]	n.a.
07786	EDB Extraction	SW-846 8011	1	08/20/2005 11:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	_____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4587060	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP09915.i/05aug23c.b/lg23s12.d	
Level: (low/med) LOW	Date Received: 08/18/05	
% Moisture: not dec.	Date Analyzed: 08/23/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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27.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102366

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 04:25 PM

Group Number: 956037

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052310006A	Sample number(s): 4587049,4587051,4587053,4587055,4587057,4587059								
Alpha BHC	N.D.	0.0020	0.010	ug/l	100		56-122		
Beta BHC	N.D.	0.012	0.040	ug/l	120		64-143		
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	100		65-144		
Delta BHC	N.D.	0.0038	0.010	ug/l	96		41-155		
Heptachlor	N.D.	0.0020	0.010	ug/l	110		45-130		
Aldrin	N.D.	0.0050	0.020	ug/l	100		47-122		
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	110		73-141		
p,p-DDE	N.D.	0.0040	0.020	ug/l	90		44-154		
p,p-DDD	N.D.	0.0060	0.020	ug/l	95		42-155		
p,p-DDT	N.D.	0.0060	0.020	ug/l	70		47-159		
Dieldrin	N.D.	0.010	0.030	ug/l	100		71-129		
Endrin	N.D.	0.0040	0.020	ug/l	85		62-135		
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100		61-141		
Endosulfan I	N.D.	0.0020	0.010	ug/l	100		66-131		
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	100		56-140		
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	105		36-158		
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	84		49-155		
Batch number: 052310007A	Sample number(s): 4587049,4587051,4587053,4587055,4587057,4587059-4587060								
Ethylene dibromide	N.D.	0.010	0.030	ug/l	104	92	60-140	13	20
Batch number: 05231WAC026	Sample number(s): 4587049,4587051,4587053,4587055,4587057,4587059								
1,4-Dioxane	N.D.	1.	5.	ug/l	56	58	43-73	3	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	94	95	65-107	1	30
2-Chlorophenol	N.D.	1.	5.	ug/l	91	90	63-112	1	30
Phenol	N.D.	1.	5.	ug/l	42	42	29-57	1	30
2-Nitrophenol	N.D.	1.	5.	ug/l	105	108	83-119	3	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	86	87	60-107	1	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	93	92	66-110	1	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	94	92	48-114	2	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	91	94	69-111	4	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	80	83	44-130	4	30
4-Nitrophenol	N.D.	10.	30.	ug/l	43	45	16-75	3	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	89	90	56-130	1	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 04:25 PM

Group Number: 956037

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Pentachlorophenol	N.D.	3.	15.	ug/l	83	85	48-108	3	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	66	67	39-84	1	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	91	89	57-110	1	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	77	76	52-102	1	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	80	80	54-103	0	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	79	79	58-99	0	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	112	111	68-133	1	30
Hexachloroethane	N.D.	1.	5.	ug/l	65	64	33-106	2	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	89	86	56-109	4	30
Nitrobenzene	N.D.	1.	5.	ug/l	92	94	61-111	3	30
Isophorone	N.D.	1.	5.	ug/l	87	88	63-105	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	99	100	69-119	2	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	81	82	62-101	1	30
Naphthalene	N.D.	1.	5.	ug/l	89	91	70-102	2	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	64	63	33-118	3	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	77	80	14-169	4	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	74	76	56-100	3	30
Acenaphthylene	N.D.	1.	5.	ug/l	104	109	65-120	5	30
Dimethylphthalate	N.D.	2.	5.	ug/l	79	79	46-109	1	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	92	93	70-108	2	30
Acenaphthene	N.D.	1.	5.	ug/l	89	94	68-111	6	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	96	96	75-122	0	30
Fluorene	N.D.	1.	5.	ug/l	86	90	61-116	4	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	87	90	65-110	4	30
Diethylphthalate	N.D.	2.	5.	ug/l	89	90	61-110	1	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	89	94	62-106	6	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	92	98	63-104	6	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	89	96	67-110	7	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	87	91	68-113	4	30
Phenanthrene	N.D.	1.	5.	ug/l	89	94	68-111	5	30
Anthracene	N.D.	1.	5.	ug/l	89	94	68-108	6	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	92	93	63-113	2	30
Fluoranthene	N.D.	1.	5.	ug/l	86	90	66-108	4	30
Pyrene	N.D.	1.	5.	ug/l	97	97	68-114	0	30
Benzidine	N.D.	20.	60.	ug/l	64	86	20-134	29	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	95	96	63-120	0	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	91	93	72-112	1	30
Chrysene	N.D.	1.	5.	ug/l	95	96	70-111	1	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	46	71	39-116	43*	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	97	96	62-126	1	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	115	111	58-118	4	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	112	108	67-117	4	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	103	103	67-120	1	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	112	107	68-121	4	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	110	108	67-122	1	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	116	116	71-129	0	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	110	109	67-121	1	30

Batch number: 052331848001

Sample number(s): 4587049-4587059

Thallium	N.D.	0.0100	0.0200	mg/l	99		92-107
Arsenic	N.D.	0.0093	0.0200	mg/l	105		85-115
Selenium	N.D.	0.0094	0.0200	mg/l	99		85-115
Antimony	N.D.	0.0064	0.0200	mg/l	101		94-112
Beryllium	N.D.	0.00044	0.0050	mg/l	102		96-111
Cadmium	N.D.	0.00097	0.0050	mg/l	102		97-111

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 04:25 PM

Group Number: 956037

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chromium	N.D.	0.0048	0.0150	mg/l	100		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	101		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	100		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	100		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	105		96-114		
Zinc	0.0059 J	0.0053	0.0200	mg/l	99		90-112		
Batch number: 05235117101A	Sample number(s): 4587051,4587053,4587055								
Total Cyanide	N.D.	0.0050	0.010	mg/l	100		90-110		
Batch number: 05235117101B	Sample number(s): 4587057,4587059								
Total Cyanide	N.D.	0.0050	0.010	mg/l	100		90-110		
Batch number: 052355713004	Sample number(s): 4587049-4587059								
Mercury	N.D.	0.00006 2	0.00020	mg/l	108		80-120		
Batch number: 05236117101B	Sample number(s): 4587049								
Total Cyanide	0.0059 J	0.0050	0.010	mg/l	100		90-110		
Batch number: 05236120101A	Sample number(s): 4587049,4587051,4587053,4587055								
Phenols	N.D.	0.0090	0.030	mg/l	104	95	83-108	8	20
Batch number: 05236120102A	Sample number(s): 4587057,4587059								
Phenols	N.D.	0.0090	0.030	mg/l	98	96	83-108	1	20
Batch number: L052351AA	Sample number(s): 4587049,4587051,4587053,4587055,4587057,4587059-4587060								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	96		77-127		
t-Butyl alcohol	N.D.	10.	80.	ug/l	91		57-141		
Chloromethane	N.D.	1.	5.	ug/l	99		59-177		
Vinyl Chloride	N.D.	1.	5.	ug/l	98		71-134		
Bromomethane	N.D.	1.	5.	ug/l	92		62-131		
Chloroethane	N.D.	1.	5.	ug/l	89		67-127		
Trichlorofluoromethane	N.D.	2.	5.	ug/l	103		70-148		
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	91		79-130		
Methylene Chloride	N.D.	2.	5.	ug/l	96		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	94		81-124		
1,1-Dichloroethane	N.D.	1.	5.	ug/l	97		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	98		84-117		
Chloroform	N.D.	0.8	5.	ug/l	100		86-124		
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	95		83-127		
Carbon Tetrachloride	N.D.	1.	5.	ug/l	94		77-130		
Benzene	N.D.	0.5	5.	ug/l	99		85-117		
1,2-Dichloroethane	N.D.	1.	5.	ug/l	103		77-132		
Trichloroethene	N.D.	1.	5.	ug/l	96		87-117		
1,2-Dichloropropane	N.D.	1.	5.	ug/l	100		80-117		
Bromodichloromethane	N.D.	1.	5.	ug/l	96		83-121		
Toluene	N.D.	0.7	5.	ug/l	102		85-115		
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	101		86-113		
Tetrachloroethene	N.D.	0.8	5.	ug/l	98		74-125		
Dibromochloromethane	N.D.	1.	5.	ug/l	98		78-119		
Chlorobenzene	N.D.	0.8	5.	ug/l	100		85-115		
Ethylbenzene	N.D.	0.8	5.	ug/l	102		82-119		
Bromoform	N.D.	1.	5.	ug/l	93		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	95		72-119		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 04:25 PM

Group Number: 956037

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	101		79-114		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	97		78-114		
Xylene (Total)	N.D.	0.8	5.	ug/l	104		83-113		
Acrylonitrile	N.D.	4.	20.	ug/l	100		55-137		
Acrolein	N.D.	40.	100.	ug/l	58		28-146		
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	95		53-133		

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052310006A	Sample number(s): 4587049,4587051,4587053,4587055,4587057,4587059							
Alpha BHC	95	96	61-137	0	20			
Beta BHC	100	100	44-160	0	20			
Gamma BHC - Lindane	99	99	49-136	1	20			
Delta BHC	100	110	60-161	10	20			
Heptachlor	97	99	37-145	1	20			
Aldrin	95	94	44-122	1	20			
Heptachlor Epoxide	98	97	45-143	1	20			
p,p-DDE	100	100	59-159	0	20			
p,p-DDD	100	100	69-155	0	20			
p,p-DDT	100	105	56-145	5	20			
Dieldrin	95	95	57-137	0	20			
Endrin	95	95	44-152	0	20			
Endosulfan II	105	100	71-141	5	20			
Endosulfan I	96	95	54-141	1	20			
Endosulfan Sulfate	100	105	46-154	0	20			
Endrin Aldehyde	105	100	53-149	5	20			
Methoxychlor	110	111	47-170	0	20			
Batch number: 052310007A	Sample number(s): 4587049,4587051,4587053,4587055,4587057,4587059-4587060							
Ethylene dibromide	74		65-135		N.D.	N.D.	0 (1)	30
Batch number: 052331848001	Sample number(s): 4587049-4587059							
Thallium	98	98	89-112	0	20	N.D.	N.D.	92* (1) 20
Arsenic	106	106	86-119	0	20	N.D.	N.D.	97* (1) 20
Selenium	99	98	75-125	1	20	N.D.	N.D.	177* (1) 20
Antimony	101	101	75-125	1	20	N.D.	N.D.	186* (1) 20
Beryllium	102	101	91-117	1	20	N.D.	N.D.	133* (1) 20
Cadmium	100	99	87-117	1	20	N.D.	N.D.	29* (1) 20
Chromium	99	98	86-118	1	20	N.D.	N.D.	380* (1) 20
Copper	102	101	89-119	1	20	0.0041 J	0.0039 J	3 (1) 20
Lead	100	99	87-118	1	20	N.D.	N.D.	98* (1) 20
Nickel	99	98	91-111	0	20	N.D.	N.D.	3 (1) 20
Silver	106	106	75-125	1	20	N.D.	N.D.	173* (1) 20
Zinc	95	94	80-120	0	20	0.0171 J	0.0160 J	7 (1) 20
Batch number: 05235117101A	Sample number(s): 4587051,4587053,4587055							
Total Cyanide	82		82-114		N.D.	N.D.	55* (1)	20
Batch number: 05235117101B	Sample number(s): 4587057,4587059							

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 04:25 PM

Group Number: 956037

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Total Cyanide	28*		82-114			N.D.	N.D.	0 (1) 20
Batch number: 052355713004	Sample number(s): 4587049-4587059							
Mercury	105	106	80-120	1	20	N.D.	N.D.	3600* (1) 20
Batch number: 05236117101B	Sample number(s): 4587049							
Total Cyanide	102		82-114			N.D.	N.D.	14 (1) 20
Batch number: L052351AA	Sample number(s): 4587049,4587051,4587053,4587055,4587057,4587059-4587060							
Methyl Tertiary Butyl Ether	100	101	69-134	1	30			
t-Butyl alcohol	91	91	51-147	0	30			
Chloromethane	119	119	72-208	0	30			
Vinyl Chloride	(2)	(2)	81-150	4	30			
Bromomethane	110	105	59-143	5	30			
Chloroethane	110	104	63-142	5	30			
Trichlorofluoromethane	129	127	77-177	2	30			
1,1-Dichloroethene	106	106	87-145	0	30			
Methylene Chloride	100	100	79-133	0	30			
trans-1,2-Dichloroethene	104	105	82-133	1	30			
1,1-Dichloroethane	107	110	85-135	3	30			
cis-1,2-Dichloroethene	110	110	83-126	0	30			
Chloroform	111	113	82-131	1	30			
1,1,1-Trichloroethane	108	108	81-142	0	30			
Carbon Tetrachloride	108	108	79-155	0	30			
Benzene	108	109	83-128	1	30			
1,2-Dichloroethane	108	108	73-136	0	30			
Trichloroethene	109	113	83-136	1	30			
1,2-Dichloropropane	108	109	83-129	1	30			
Bromodichloromethane	102	102	80-129	0	30			
Toluene	111	112	83-127	1	30			
1,1,2-Trichloroethane	105	106	77-125	0	30			
Tetrachloroethene	107	109	78-133	1	30			
Dibromochloromethane	102	102	73-119	0	30			
Chlorobenzene	107	107	83-120	0	30			
Ethylbenzene	117	118	82-129	1	30			
Bromoform	94	94	64-119	0	30			
1,1,2,2-Tetrachloroethane	96	96	69-121	0	30			
trans-1,3-Dichloropropene	106	107	75-117	1	30			
cis-1,3-Dichloropropene	98	99	76-117	1	30			
Xylene (Total)	113	114	82-130	1	30			
Acrylonitrile	101	100	54-132	1	30			
Acrolein	66	69	21-153	5	30			
2-Chloroethyl Vinyl Ether	0*	0*	1-172	0	30			

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water

Batch number: 052310006A

Tetrachloro-m-xylene

Decachlorobiphenyl

4587049

100

59

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 04:25 PM

Group Number: 956037

### Surrogate Quality Control

4587051	87	102
4587053	85	174*
4587055	89	2262*
4587057	90	360*
4587059	113	110
Blank	103	87
LCS	108	108
MS	103	110
MSD	103	103

Limits: 45-125 47-155

Analysis Name: EDB in Wastewater  
Batch number: 052310007A  
1,1,2,2-  
Tetrachloroethane

4587049	89
4587051	76
4587053	65
4587055	47*
4587057	135*
4587059	88
4587060	88
Blank	120
DUP	86
LCS	122*
LCSD	97
MS	95

Limits: 52-120

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05231WAC026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4587049	59	38	90	96
4587051	62	43	95	95
4587053	48	35	77	78
4587055	58	44	84	89
4587057	70	47	96	85
4587059	57	40	79	93
Blank	66	42	100	100
LCS	66	42	95	95
LCSD	65	42	94	97

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
4587049	86	55
4587051	91	80
4587053	83	73
4587055	89	79
4587057	81	92
4587059	94	96
Blank	92	101
LCS	91	102

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 04:25 PM

Group Number: 956037

### Surrogate Quality Control

LCSD	94	99		
Limits:	64-112	52-151		
Analysis Name: PPL + Xylene (total) by 8260				
Batch number: L052351AA				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4587049	100	97	95	94
4587051	102	100	92	106
4587053	100	99	93	104
4587055	100	98	95	101
4587057	100	96	95	101
4587059	101	100	96	95
4587060	101	98	96	95
Blank	99	99	96	94
LCS	97	96	102	104
MS	97	96	101	103
MSD	98	96	101	104
Limits:	81-120	82-112	85-112	83-113

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.





## For Lancaster Laboratories use only

9,56037

4587 049-6D

11549

SCR No.:

**Cooler temperature upon receipt:**

<sup>3</sup>C

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

**Copies:** White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained.

AR102374



# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 956033

Sample Nos.: 4457049-60

Acc't No.: 11549

SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u> Acc't #: <u>11549</u>				Matrix												Analyses Requested												Remarks:	
Project Manager: _____ Quote #: _____																													
Project Name/ #: <u>Former Metro Container Investigation</u>																													
Sampler: _____																													
P.O. #: _____																													
Name of state where samples were collected: <u>PA</u>																													
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture											
05-MET-029		8/18/05	0750	X		X			4	X	X	X	X	X	X	X	X	X		N(2.5'-3')									
05-MET-017		"	0900	X		X			4	X	X	X	X	X	X	X	X	X		N(7'-7.5')									
05-MET-012		"	1010	X		X			4	X	X	X	X	X	X	X	X	X		N(9'-9.5')									
05-MET-005		"	1100	X		X			4	X	X	X	X	X	X	X	X	X		N(4.5'-5')									
05-MET-010		"	1200	X		X			4	X	X	X	X	X	X	X	X	X		N(6.5'-7')									
05-MET-003		"	1430	X		X			4	X	X	X	X	X	X	X	X	X		N(5.5'-6')									
05-MET-0131		"	1500	X		X			4	X	X	X	X	X	X	X	X	X		N(2'-2.5')									
05-MET-012S		"	1000	X		X			4	X	X	X	X	X	X	X	X	X		N(1.0'-1.5')									
EB081805W		"	1500	X		X			1	X	X	X	X	X	X	X	X	X											
TB081805W		"		X		X			2	X	X																		
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush																Date: <u>8/18/05</u> Time: <u>16:00</u>		Received by: _____		Date: <u>8/18/05</u> Time: <u>16:00</u>									
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)																													
Date results are needed: _____																Date: <u>8/18/05</u> Time: <u>18:00</u>		Received by: _____		Date: _____ Time: _____									
Rush results requested by (please circle): Fax Email																													
Fax #: _____ Email address: _____																													
Data Package Options (please circle if required)																Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____							
QC Summary																													
Type I (Tier I)																													
Type II (Tier II)																													
Type III (NJ Reduced Det.)																													
Type IV (CLP)																													
Type VI (Raw Data)																													
GLP																													
Other																													
SDG Complete? Yes No																Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____							
Site specific QC required? Yes No																													
(If yes, indicate QC sample and submit triplicate volume.)																													
Internal chain of custody required? Yes No																													

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained.

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 956234. Samples arrived at the laboratory on Friday, August 19, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-037 Grab Soil Sample	4588204
05-MET-039 Grab Soil Sample	4588205
05-MET-042 Grab Soil Sample	4588206
05-MET-042A Grab Soil Sample	4588207
05-MET-047 Grab Soil Sample	4588208
05-MET-043 Grab Soil Sample	4588209
05-MET-038 Grab Soil Sample	4588210
05-MET-028 Grab Soil Sample	4588211
05-MET-109S Grab Soil Sample	4588212
05-MET-109 Grab Soil Sample	4588213
05-MET-020 Grab Soil Sample	4588214
05-MET-008 Grab Soil Sample	4588215
05-MET-008V Grab Soil Sample	4588216
05-MET-001 Grab Soil Sample	4588217
TB081905STrip Blank Methanol Sample	4588218
05-MET-034V Grab Soil Sample	4588219
05-MET-027 Grab Soil Sample	4588220
EB081905S Equipment Blank Grab Water Sample	4588221

1 COPY TO      Montgomery Watson Harza

Attn: [REDACTED]

Questions? Contact your Client Services Representative  
[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Manager

**Lancaster Laboratories Sample No. SW 4588204**
**05-MET-037 Grab Soil Sample**
**N(4-4.5)**
**Former Metro Container Investigation**

Collected: 08/19/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:15

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET37

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.221	0.0034	0.126	mg/kg	1
06925	Thallium	7440-28-0	1.29 J	1.23	2.55	mg/kg	1
06935	Arsenic	7440-38-2	6.02	0.856	2.55	mg/kg	1
06936	Selenium	7782-49-2	2.19 J	1.23	2.55	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.05	2.55	mg/kg	1
06947	Beryllium	7440-41-7	0.764	0.0549	0.638	mg/kg	1
06949	Cadmium	7440-43-9	1.08	0.110	0.638	mg/kg	1
06951	Chromium	7440-47-3	339.	0.677	1.92	mg/kg	1
06953	Copper	7440-50-8	95.4	0.383	1.28	mg/kg	1
06955	Lead	7439-92-1	73.3	0.996	2.55	mg/kg	1
06961	Nickel	7440-02-0	44.6	0.421	1.28	mg/kg	1
06966	Silver	7440-22-4	0.623 J	0.243	0.638	mg/kg	1
06972	Zinc	7440-66-6	240.	0.587	2.55	mg/kg	1
00111	Moisture	n.a.	24.7	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.65	mg/kg	1
05912	Phenols	n.a.	3.2 J	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00339	0.0165	mg/kg	5
01219	Heptachlor	76-44-8	N.D.	0.00339	0.0165	mg/kg	5
01220	Aldrin	309-00-2	N.D.	0.00339	0.0165	mg/kg	5
01221	p,p-DDT	50-29-3	0.0209 J	0.00657	0.0339	mg/kg	5
01222	Dieldrin	60-57-1	N.D.	0.00657	0.0339	mg/kg	5
01223	Endrin	72-20-8	N.D.	0.00657	0.0339	mg/kg	5
01859	Methoxychlor	72-43-5	N.D.	0.0339	0.165	mg/kg	5
01981	Alpha BHC	319-84-6	N.D.	0.00339	0.0165	mg/kg	5
01982	Beta BHC	319-85-7	N.D.	0.00339	0.0165	mg/kg	5
01983	Delta BHC	319-86-8	N.D.	0.00418	0.0165	mg/kg	5
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00339	0.0165	mg/kg	5
01985	p,p-DDE	72-55-9	0.0121 J	0.00657	0.0339	mg/kg	5
01986	p,p-DDD	72-54-8	0.285	0.0131	0.0677	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0797	0.339	mg/kg	5
01988	Toxaphene	8001-35-2	N.D.	0.219	0.657	mg/kg	5
01989	Endosulfan I	959-98-8	N.D.	0.00339	0.0165	mg/kg	5
01990	Endosulfan II	33213-65-9	N.D.	0.00657	0.0339	mg/kg	5
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00657	0.0339	mg/kg	5
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00657	0.0339	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102379

**Lancaster Laboratories Sample No. SW 4588204**
**05-MET-037 Grab Soil Sample**
**N(4-4.5)**
**Former Metro Container Investigation**

Collected: 08/19/2005 08:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:15

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET37

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.147	0.339	mg/kg	5
01994	PCB-1221	11104-28-2	N.D.	0.0657	0.339	mg/kg	5
01995	PCB-1232	11141-16-5	N.D.	0.0956	0.339	mg/kg	5
01996	PCB-1242	53469-21-9	N.D.	0.0598	0.339	mg/kg	5
01997	PCB-1248	12672-29-6	N.D.	0.219	0.657	mg/kg	5
01998	PCB-1254	11097-69-1	N.D.	0.0657	0.339	mg/kg	5
01999	PCB-1260	11096-82-5	N.D.	0.219	0.657	mg/kg	5

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.66	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.044	0.22	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.044	0.22	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.044	0.22	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.044	0.22	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.044	0.22	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.089	0.22	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.044	0.22	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.22	0.66	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.089	0.22	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.22	0.66	mg/kg	1
01195	Pyrene	129-00-0	0.40	0.044	0.22	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.044	0.22	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.044	0.22	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.22	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.044	0.22	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.044	0.22	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.89	2.7	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.22	0.66	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.089	0.22	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.044	0.22	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.044	0.22	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.044	0.22	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.044	0.22	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.044	0.22	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.044	0.22	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.044	0.22	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.044	0.22	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.044	0.22	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102380

Lancaster Laboratories Sample No. SW 4588204

05-MET-037 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/19/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:15

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET37

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.089	0.22	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.22	0.66	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.044	0.22	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.044	0.22	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.089	0.22	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.044	0.22	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.044	0.22	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.044	0.22	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.089	0.22	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.044	0.22	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.044	0.22	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.044	0.22	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.044	0.22	mg/kg	1
03775	Phenanthrene	85-01-8	0.19 J	0.044	0.22	mg/kg	1
03776	Anthracene	120-12-7	0.046 J	0.044	0.22	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	0.090 J	0.089	0.22	mg/kg	1
03778	Fluoranthene	206-44-0	0.37	0.044	0.22	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.89	2.7	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.089	0.22	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.23	0.044	0.22	mg/kg	1
03782	Chrysene	218-01-9	0.27	0.044	0.22	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.44	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.089	0.44	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.089	0.22	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.32	0.044	0.22	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.10 J	0.044	0.22	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.22	0.044	0.22	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.13 J	0.044	0.22	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.075 J	0.044	0.22	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.18 J	0.044	0.22	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.04
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.04

\*=This limit was used in the evaluation of the final result

AR102381



**Lancaster Laboratories Sample No. SW 4588204**
**05-MET-037 Grab Soil Sample**
**N(4-4.5)**
**Former Metro Container Investigation**

Collected: 08/19/2005 08:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:15

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET37

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.028	0.14	mg/kg	1.04
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.04
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.04
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.04
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.04
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.04
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.04
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.04
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.04
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1.04
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1.04
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.04
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.04
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.04
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	1.04
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.04
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.04
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.04
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.04
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	1.04
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.04
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.04
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.04
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.04
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	1.04
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.04
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.04
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.04
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.04
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	1.04
07586	Acrolein	107-02-8	N.D.	0.028	0.14	mg/kg	1.04
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.028	mg/kg	1.04

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample. Also, a surrogate recovery was outside of QC limits for the re-analysis.

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

AR102382

Lancaster Laboratories Sample No. SW 4588204

05-MET-037 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/19/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:15

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET37

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:24	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/23/2005 22:06	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/23/2005 22:06	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:02	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/23/2005 22:06	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/23/2005 22:06	[REDACTED]	1
06949	Cadmium	SW-846 6010B	2	08/25/2005 17:02	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/23/2005 22:06	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/23/2005 22:06	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/23/2005 22:06	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/23/2005 22:06	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/23/2005 22:06	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/23/2005 22:06	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:55	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 10:55	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 18:11	[REDACTED]	5
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 06:13	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 00:24	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 11:37	[REDACTED]	1.04
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 11:37	[REDACTED]	1.04
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102383

**Lancaster Laboratories Sample No. SW 4588204**

**05-MET-037 Grab Soil Sample**

**N(4-4.5)**

**Former Metro Container Investigation**

Collected: 08/19/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:15

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MET37

05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/22/2005 02:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:28	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:38	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 12:38	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588204  
 Sample wt/vol: 4.81 (g/mL) g      Lab File ID: HP09193.i/05aug25a.b/xg25s28.d  
 Level: (low/med) LOW      Date Received: 08/19/05  
 % Moisture: not dec. 25      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	4.6	J
2. 74-93-1	Methanethiol	2.46	0.016	J
3. 75-15-0	Carbon disulfide	3.87	0.016	J
4.	Unknown siloxane	12.26	0.014	J B
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102385

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588204  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0765.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 25 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 21 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.673	16	JAB
2.	!Unknown Alkane	7.273	.26	J
3.	!Unknown	7.775	.20	J
4.	!Unknown	7.823	.37	J
5.10544-50-0	Cyclic octaatomic sulfur	8.736	2.1	J
6.	!Unknown	9.442	.34	J
7.	!Unknown Alkane	9.538	.40	J
8.	!Unknown	9.634	.24	J
9.	!Unknown Alkane	10.088	.33	J
10.	!Unknown Alkane	10.355	.27	J
11.	!Unknown	10.585	.24	J
12.	!Unknown Alkane	10.622	.43	J
13.	!Unknown	10.729	.32	J
14.	!Unknown Alkane	10.884	.58	J
15.	!Unknown	11.044	.37	J
16.	!Unknown	11.066	.22	J
17.	!Unknown	11.119	.21	J
18.	!Unknown Alkane	11.140	.34	J
19.	Benz[j]aceanthrylene, 3-meth	11.215	.26	JX
20.	!Unknown Alkane	11.472	.21	J
21.	!Unknown	12.583	.27	J
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102386

Lancaster Laboratories Sample No. SW 4588205

05-MET-039 Grab Soil Sample

N(2.5-3)

Former Metro Container Investigation

Collected: 08/19/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:15

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET39

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.288	0.0031	0.115	mg/kg	1
06925	Thallium	7440-28-0	1.34 J	1.13	2.35	mg/kg	1
06935	Arsenic	7440-38-2	4.19	0.787	2.35	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.13	2.35	mg/kg	1
06944	Antimony	7440-36-0	5.14	0.963	2.35	mg/kg	1
06947	Beryllium	7440-41-7	0.518 J	0.0505	0.587	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.101	0.587	mg/kg	1
06951	Chromium	7440-47-3	1,120.	0.622	1.76	mg/kg	1
06953	Copper	7440-50-8	48.7	0.352	1.17	mg/kg	1
06955	Lead	7439-92-1	40.9	0.916	2.35	mg/kg	1
06961	Nickel	7440-02-0	71.8	0.387	1.17	mg/kg	1
06966	Silver	7440-22-4	0.410 J	0.223	0.587	mg/kg	1
06972	Zinc	7440-66-6	204.	0.540	2.35	mg/kg	1
00111	Moisture	n.a.	18.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.35 J	0.21	0.60	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00415	0.0203	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00415	0.0203	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00415	0.0203	mg/kg	20
01221	p,p-DDT	50-29-3	0.200	0.00806	0.0415	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00806	0.0415	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00806	0.0415	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0415	0.203	mg/kg	20
01981	Alpha BHC	319-84-6	0.00781 J	0.00415	0.0203	mg/kg	20
01982	Beta BHC	319-85-7	0.00617 J	0.00415	0.0203	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00513	0.0203	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00415	0.0203	mg/kg	20
01985	p,p-DDE	72-55-9	0.0574	0.00806	0.0415	mg/kg	20
01986	p,p-DDD	72-54-8	0.0770	0.00806	0.0415	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0977	0.415	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.269	0.806	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00415	0.0203	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00806	0.0415	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00806	0.0415	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00806	0.0415	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102387

Lancaster Laboratories Sample No. SW 4588205

05-MET-039 Grab Soil Sample

N(2.5-3)

Former Metro Container Investigation

Collected: 08/19/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:15

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET39

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.181	0.415	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0806	0.415	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.117	0.415	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0733	0.415	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.269	0.806	mg/kg	20
01998	PCB-1254	11097-69-1	0.568	0.0806	0.415	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.269	0.806	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.61	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.081	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	0.10 J	0.041	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.61	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.081	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.61	mg/kg	1
01195	Pyrene	129-00-0	1.7	0.041	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.045 J	0.041	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.81	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.61	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.081	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.20	mg/kg	1
03761	Naphthalene	91-20-3	0.060 J	0.041	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102388

**Lancaster Laboratories Sample No. SW 4588205**
**05-MET-039 Grab Soil Sample**
**N(2.5-3)**
**Former Metro Container Investigation**

Collected: 08/19/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:15

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET39

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.081	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.61	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.081	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.20	mg/kg	1
03768	Fluorene	86-73-7	0.15 J	0.041	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.081	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	1.3	0.041	0.20	mg/kg	1
03776	Anthracene	120-12-7	0.34	0.041	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.081	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	1.4	0.041	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.81	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.081	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.81	0.041	0.20	mg/kg	1
03782	Chrysene	218-01-9	0.72	0.041	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.081	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.081	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	1.0	0.041	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.34	0.041	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.80	0.041	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.093 J	0.041	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.13 J	0.041	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.62	0.041	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.09
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.09

\*=This limit was used in the evaluation of the final result

AR102389



Lancaster Laboratories Sample No. SW 4588205

05-MET-039 Grab Soil Sample

N(2.5-3)

Former Metro Container Investigation

Collected: 08/19/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:15

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET39

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.027	0.13	mg/kg	1.09
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.09
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.09
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.09
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.09
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.09
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.09
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.09
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.09
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1.09
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1.09
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.09
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.09
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.09
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	1.09
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.09
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.09
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.09
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.09
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	1.09
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.09
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.09
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.09
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.09
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	1.09
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.09
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.09
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.09
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.09
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	1.09
07586	Acrolein	107-02-8	N.D.	0.027	0.13	mg/kg	1.09
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.027	mg/kg	1.09

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Lancaster Laboratories Sample No. SW 4588205

05-MET-039 Grab Soil Sample

N(2.5-3)

Former Metro Container Investigation

Collected: 08/19/2005 09:00

by

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:15

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET39

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.							

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:25		1
06925	Thallium	SW-846 6010B	1	08/23/2005 22:11		1
06935	Arsenic	SW-846 6010B	1	08/23/2005 22:11		1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:07		1
06944	Antimony	SW-846 6010B	1	08/23/2005 22:11		1
06947	Beryllium	SW-846 6010B	1	08/23/2005 22:11		1
06949	Cadmium	SW-846 6010B	1	08/23/2005 22:11		1
06951	Chromium	SW-846 6010B	1	08/23/2005 22:11		1
06953	Copper	SW-846 6010B	1	08/23/2005 22:11		1
06955	Lead	SW-846 6010B	1	08/23/2005 22:11		1
06961	Nickel	SW-846 6010B	1	08/23/2005 22:11		1
06966	Silver	SW-846 6010B	1	08/23/2005 22:11		1
06972	Zinc	SW-846 6010B	1	08/23/2005 22:11		1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:56		1
05912	Phenols	SW846 9066	1	08/29/2005 10:56		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 18:32		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 01:27		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 19:01		1.09
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 19:01		1.09
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/22/2005 02:05		1

\*=This limit was used in the evaluation of the final result

AR102391

**Lancaster Laboratories Sample No. SW 4588205****05-MET-039 Grab Soil Sample****N(2.5-3)****Former Metro Container Investigation**

Collected: 08/19/2005 09:00

by ■

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:15

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**MET39**

06171 GC/MS - Field Preserved SW-846 5035

1 08/23/2005 11:29 ■

1

MeOH

08389 GC/MS - LL Encore Prep SW-846 5035

1 08/20/2005 12:39 ■

n.a.

08389 GC/MS - LL Encore Prep SW-846 5035

2 08/20/2005 12:39 ■

n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4588205	SDG No.: _____
Sample wt/vol: 4.6 (g/mL) g	Lab File ID: HP09193.i/05aug25b.b/xg25s34.d	
Level: (low/med) LOW	Date Received: 08/19/05	
% Moisture: not dec. 18	Date Analyzed: 08/25/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon Disulfide	3.87	0.030	J
2.	Unknown siloxane	12.26	0.010	J B
3.				
4.				
5.				
6.				
7.				
8.				
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10.				
11.				
12.				
13.				
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23.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102393

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588205  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0768.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.678	.17	JAB
2.	Unknown	8.186	.94	J
3.10544-50-0	Cyclic octaatomic sulfur	8.742	1.9	J
4.	Unknown Alkane	10.088	.47	J
5.	Chrysene, 2-methyl-	10.195	.50	JX
6.	Unknown	10.360	.63	J
7.	Unknown	10.558	.41	J
8.	Unknown	10.628	.46	J
9.	Unknown	10.665	.44	J
10.	Unknown	10.777	.39	J
11.	Benzo[a]pyrene	10.799	.50	JX
12.	Unknown	10.884	.67	J
13.	Benz[e]acephenanthrylene	10.932	.65	JX
14.	Unknown	11.140	.52	J
15.	Unknown	11.183	.36	J
16.	Unknown	11.269	.32	J
17.	Unknown	11.295	.57	J
18.	Unknown	11.381	.40	J
19.	Unknown	11.434	.59	J
20.	Unknown	11.530	.64	J
21.	Unknown	11.573	.41	J
22.	Unknown	11.616	.36	J
23.	Unknown	11.830	.61	J
24.	Benzo[ghi]perylene	12.017	.83	JX
25.	Unknown	12.230	.37	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102394

Lancaster Laboratories Sample No. SW 4588206

05-MET-042 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/19/2005 09:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:16

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET42

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.718	0.0031	0.116	mg/kg	1
06925	Thallium	7440-28-0	1.38 J	1.12	2.34	mg/kg	1
06935	Arsenic	7440-38-2	9.26	0.783	2.34	mg/kg	1
06936	Selenium	7782-49-2	1.53 J	1.12	2.34	mg/kg	1
06944	Antimony	7440-36-0	1.24 J	0.958	2.34	mg/kg	1
06947	Beryllium	7440-41-7	N.D.	0.0502	0.584	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.100	0.584	mg/kg	1
06951	Chromium	7440-47-3	51.2	0.619	1.75	mg/kg	1
06953	Copper	7440-50-8	222.	0.351	1.17	mg/kg	1
06955	Lead	7439-92-1	346.	0.911	2.34	mg/kg	1
06961	Nickel	7440-02-0	32.8	0.386	1.17	mg/kg	1
06966	Silver	7440-22-4	0.460 J	0.222	0.584	mg/kg	1
06972	Zinc	7440-66-6	27.1	0.537	2.34	mg/kg	1
00111	Moisture	n.a.	17.7	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00207	0.0101	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00207	0.0101	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00207	0.0101	mg/kg	10
01221	p,p-DDT	50-29-3	0.104	0.00401	0.0207	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00401	0.0207	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00401	0.0207	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0207	0.101	mg/kg	10
01981	Alpha BHC	319-84-6	0.00979 J	0.00207	0.0101	mg/kg	10
01982	Beta BHC	319-85-7	0.00635 J	0.00207	0.0101	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00255	0.0101	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00207	0.0101	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.0207	0.0207	mg/kg	10
01986	p,p-DDD	72-54-8	0.0834	0.00401	0.0207	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0486	0.207	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.134	0.401	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00207	0.0101	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00401	0.0207	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00401	0.0207	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00401	0.0207	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102395

**Lancaster Laboratories Sample No. SW 4588206**

**05-MET-042 Grab Soil Sample**

**N(2-2.5)**

**Former Metro Container Investigation**

Collected: 08/19/2005 09:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:16

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET42

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0899	0.207	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0401	0.207	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0583	0.207	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0365	0.207	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.134	0.401	mg/kg	10
01998	PCB-1254	11097-69-1	0.0722 J	0.0401	0.207	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.134	0.401	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.61	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.081	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.041	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.61	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.081	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.61	mg/kg	1
01195	Pyrene	129-00-0	0.77	0.041	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.35	0.041	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.81	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.61	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.081	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.20	mg/kg	1
03761	Naphthalene	91-20-3	1.8	0.041	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102396

Lancaster Laboratories Sample No. SW 4588206

05-MET-042 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/19/2005 09:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:16

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET42

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.081	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.61	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.081	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.20	mg/kg	1
03768	Fluorene	86-73-7	0.11 J	0.041	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.081	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	1.8	0.041	0.20	mg/kg	1
03776	Anthracene	120-12-7	0.18 J	0.041	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.081	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	0.76	0.041	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.81	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.081	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.51	0.041	0.20	mg/kg	1
03782	Chrysene	218-01-9	0.73	0.041	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.081	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.081	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.44	0.041	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.20 J	0.041	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.42	0.041	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.24	0.041	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.17 J	0.041	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.33	0.041	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.1
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.1

\*=This limit was used in the evaluation of the final result

AR102397



Lancaster Laboratories Sample No. SW 4588206

05-MET-042 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/19/2005 09:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:16

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET42

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.027	0.13	mg/kg	1.1
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.1
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.1
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.1
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.1
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.1
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.1
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.1
05452	1,1-Dichloroethane	75-34-3	0.003 J	0.001	0.007	mg/kg	1.1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1.1
05455	Chloroform	67-66-3	0.004 J	0.001	0.007	mg/kg	1.1
05457	1,1,1-Trichloroethane	71-55-6	0.002 J	0.001	0.007	mg/kg	1.1
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.1
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	1.1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.1
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.1
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.1
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.1
05466	Toluene	108-88-3	0.002 J	0.001	0.007	mg/kg	1.1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.1
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.1
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.1
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.1
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	1.1
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.1
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.1
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.1
06301	Xylene (Total)	1330-20-7	0.005 J	0.001	0.007	mg/kg	1.1
07586	Acrolein	107-02-8	N.D.	0.027	0.13	mg/kg	1.1
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.027	mg/kg	1.1

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4588206

05-MET-042 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/19/2005 09:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:16

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET42

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:26	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/23/2005 22:16	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/23/2005 22:16	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:11	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/23/2005 22:16	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/23/2005 22:16	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/23/2005 22:16	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/23/2005 22:16	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/23/2005 22:16	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/23/2005 22:16	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/23/2005 22:16	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/23/2005 22:16	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/23/2005 22:16	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 20:57	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 10:58	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 18:52	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 06:51	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 19:24	[REDACTED]	1.1
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 19:24	[REDACTED]	1.1
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/22/2005 02:05	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102399

**Lancaster Laboratories Sample No. SW 4588206****05-MET-042 Grab Soil Sample****N(2-2.5)****Former Metro Container Investigation**

Collected: 08/19/2005 09:50

by

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:16

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET42

06171 GC/MS - Field Preserved SW-846 5035

1 08/23/2005 11:31

1

MeOH

08389 GC/MS - LL Encore Prep SW-846 5035

1 08/20/2005 12:40

n.a.

08389 GC/MS - LL Encore Prep SW-846 5035

2 08/20/2005 12:40

n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588206  
 Sample wt/vol: 4.56 (g/mL) g      Lab File ID: HP09193.i/05aug25b.b/xg25s35.d  
 Level: (low/med) LOW      Date Received: 08/19/05  
 % Moisture: not dec. 18      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.88	1.0	J
2.	Unknown siloxane	12.26	0.008	J B
3.	Unknown aromatic	12.76	0.008	J
4.	Unknown aromatic	12.98	0.008	J
5.	Unknown aromatic	13.07	0.008	J
6.	Unknown aromatic	14.13	0.008	J
7. 91-20-3	Naphthalene	14.57	0.086	J
8.	Unknown aromatic	14.66	0.014	J
9. 91-57-6	Naphthalene, 2-methyl-	15.34	0.014	J
10.	Unknown aromatic	15.49	0.01	J
11.				
12.				
13.				
14.				
15.				
16.				
17.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102401

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588206  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0810.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.662	13	JAB
2.132-64-9	Dibenzofuran	6.648	.92	J
3.	Unknown	6.690	2.7	J
4.	Unknown Cycloalkane	8.614	1.6	J
5.	Unknown Alkane	8.662	1.4	J
6.10544-50-0	Cyclic octaatomic sulfur	8.747	5.2	J
7.	Unknown	8.843	.43	J
8.	Unknown Alkane	9.265	.43	J
9.	Unknown Alkane	9.367	.49	J
10.	Unknown	9.452	.61	J
11.	Unknown Alkane	9.548	.82	J
12.	Unknown	9.650	.42	J
13.	Unknown	9.703	.72	J
14.	Unknown Alkane	9.826	.61	J
15.	Unknown	9.997	.59	J
16.	Unknown Alkane	10.019	.40	J
17.	Unknown Alkane	10.099	.84	J
18.	Unknown	10.190	.93	J
19.	Unknown	10.270	.63	J
20.	Unknown Alkane	10.366	.59	J
21.	Unknown Alkane	10.451	.95	J
22.	Unknown Alkane	10.633	1.8	J
23.	Unknown Alkane	10.889	.90	J
24.	Perylene	10.937	1.1	JX
25.	Unknown Alkane	11.151	1.2	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102402

**Lancaster Laboratories Sample No. SW 4588207**

**05-MET-042A Grab Soil Sample**

**N(2-2.5)**

**Former Metro Container Investigation**

Collected: 08/19/2005 10:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:17

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

ME42A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.827	0.0031	0.116	mg/kg	1
06925	Thallium	7440-28-0	2.86	1.12	2.34	mg/kg	1
06935	Arsenic	7440-38-2	4.64	0.784	2.34	mg/kg	1
06936	Selenium	7782-49-2	1.35 J	1.12	2.34	mg/kg	1
06944	Antimony	7440-36-0	1.30 J	0.959	2.34	mg/kg	1
06947	Beryllium	7440-41-7	0.129 J	0.0503	0.585	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.101	0.585	mg/kg	1
06951	Chromium	7440-47-3	54.0	0.620	1.75	mg/kg	1
06953	Copper	7440-50-8	112.	0.351	1.17	mg/kg	1
06955	Lead	7439-92-1	187.	0.912	2.34	mg/kg	1
06961	Nickel	7440-02-0	20.7	0.386	1.17	mg/kg	1
06966	Silver	7440-22-4	0.374 J	0.222	0.585	mg/kg	1
06972	Zinc	7440-66-6	27.5	0.538	2.34	mg/kg	1
00111	Moisture	n.a.	17.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	4.8	1.5	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00207	0.0101	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00207	0.0101	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00207	0.0101	mg/kg	10
01221	p,p-DDT	50-29-3	0.0540	0.00401	0.0207	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00401	0.0207	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00401	0.0207	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0207	0.101	mg/kg	10
01981	Alpha BHC	319-84-6	0.0116	0.00207	0.0101	mg/kg	10
01982	Beta BHC	319-85-7	0.00665 J	0.00207	0.0101	mg/kg	10
01983	Delta BHC	319-86-8	0.00396 J	0.00255	0.0101	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00207	0.0101	mg/kg	10
01985	p,p-DDE	72-55-9	0.0220	0.00401	0.0207	mg/kg	10
01986	p,p-DDD	72-54-8	0.0863	0.00401	0.0207	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0487	0.207	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.134	0.401	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00207	0.0101	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00401	0.0207	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00401	0.0207	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00401	0.0207	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102403

**Lancaster Laboratories Sample No. SW 4588207**

**05-MET-042A Grab Soil Sample**

**N(2-2.5)**

**Former Metro Container Investigation**

Collected: 08/19/2005 10:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:17

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

ME42A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0900	0.207	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0401	0.207	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0584	0.207	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0365	0.207	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.134	0.401	mg/kg	10
01998	PCB-1254	11097-69-1	0.0770 J	0.0401	0.207	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.134	0.401	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.41	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.081	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.041	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.61	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.081	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.61	mg/kg	1
01195	Pyrene	129-00-0	1.1	0.041	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.51	0.041	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.81	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.61	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.081	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.20	mg/kg	1
03761	Naphthalene	91-20-3	3.2	0.041	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102404

Lancaster Laboratories Sample No. SW 4588207

05-MET-042A Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/19/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:17

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

ME42A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.081	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.61	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	0.050 J	0.041	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.081	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.20	mg/kg	1
03768	Fluorene	86-73-7	0.15 J	0.041	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.081	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	2.2	0.041	0.20	mg/kg	1
03776	Anthracene	120-12-7	0.18 J	0.041	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.081	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	0.88	0.041	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.81	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.081	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.71	0.041	0.20	mg/kg	1
03782	Chrysene	218-01-9	1.5	0.041	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.081	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.081	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.68	0.041	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.21	0.041	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.60	0.041	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.30	0.041	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.26	0.041	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.53	0.041	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.97
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.97

\*=This limit was used in the evaluation of the final result

AR102405



Lancaster Laboratories Sample No. SW 4588207

05-MET-042A Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/19/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:17

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

ME42A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.024	0.12	mg/kg	0.97
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.97
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.97
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.97
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.97
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.97
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.97
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.97
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.97
05452	1,1-Dichloroethane	75-34-3	0.003 J	0.001	0.006	mg/kg	0.97
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.97
05455	Chloroform	67-66-3	0.002 J	0.001	0.006	mg/kg	0.97
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.97
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.97
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.97
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.97
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.97
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.97
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.97
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.97
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.97
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.97
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.97
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.97
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.97
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.97
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.97
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.97
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.97
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.97
07586	Acrolein	107-02-8	N.D.	0.024	0.12	mg/kg	0.97
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.024	mg/kg	0.97

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4588207

05-MET-042A Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/19/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:17

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

ME42A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:28	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/23/2005 21:13	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/23/2005 21:13	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/25/2005 15:59	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/23/2005 21:13	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/23/2005 21:13	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/23/2005 21:13	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/23/2005 21:13	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/23/2005 21:13	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/23/2005 21:13	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/23/2005 21:13	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/23/2005 21:13	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/23/2005 21:13	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:03	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:01	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 19:13	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/30/2005 00:56	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 19:47	[REDACTED]	0.97
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 19:47	[REDACTED]	0.97
00381	BNA Soil Extraction	SW-846 3550B	2	08/29/2005 14:15	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/22/2005 02:05	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102407

**Lancaster Laboratories Sample No. SW 4588207****05-MET-042A Grab Soil Sample****N(2-2.5)****Former Metro Container Investigation**

Collected: 08/19/2005 10:00

by

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:17

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**ME42A**

06171	GC/MS - Field Preserved MeOH	SW-846 5035
08389	GC/MS - LL Encore Prep	SW-846 5035
08389	GC/MS - LL Encore Prep	SW-846 5035

1	08/23/2005 11:32		1
1	08/20/2005 12:41		n.a.
2	08/20/2005 12:41		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! ME42A !
Matrix: (soil/water) SOIL	SAS No.: _____	! _____ !
Sample wt/vol: 5.14 (g/mL) g	Lab Sample ID: 4588207	
Level: (low/med) LOW	Lab File ID: HP09193.i/05aug25b.b/xg25s36.d	
% Moisture: not dec. 18	Date Received: 08/19/05	
Column: (pack/cap) CAP	Date Analyzed: 08/25/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.89	0.22	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102409

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588207  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh1011.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/29/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/30/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.004	27	JAB
2.132-65-0	Dibenzothiophene	8.003	8.2	J
3.	Unknown	8.919	7.9	J
4.	Phenanthrene, 2,3-dimethyl-	8.974	10	JX
5.	Unknown	9.005	14	J
6.	Unknown Alkane	9.312	9.1	J
7.	Unknown	9.343	10	J
8.	Unknown Alkane	9.613	12	J
9.	Pyrene, 2-methyl-	9.650	9.8	JX
10.	Unknown Alkane	9.909	2.2	J
11.	Unknown	10.087	1.4	J
12.	Unknown	10.173	1.4	J
13.	Unknown Alkane	10.198	2.3	J
14.	Unknown	10.401	1.3	J
15.	Unknown Alkane	10.480	2.1	J
16.	Benz[a]anthracene, 9-methyl-	10.671	2.4	JX
17.	Unknown Alkane	10.757	1.8	J
18.	Chrysene, 2-methyl-	10.782	1.7	JX
19.	Unknown Alkane	10.843	1.5	J
20.	Benzo[c]phenanthrene, 5,8-di	10.972	1.5	JX
21.	Unknown Alkane	11.034	3.5	J
22.	Unknown Alkane	11.636	1.5	J
23.	Unknown	11.993	1.9	J
24.	Unknown Alkane	12.897	1.4	J
25.	Unknown	13.063	1.4	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102410

Lancaster Laboratories Sample No. SW 4588208

05-MET-047 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/19/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:17

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET47

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.341	0.0031	0.117	mg/kg	1
06925	Thallium	7440-28-0	2.22 J	1.16	2.42	mg/kg	1
06935	Arsenic	7440-38-2	27.5	0.811	2.42	mg/kg	1
06936	Selenium	7782-49-2	1.76 J	1.16	2.42	mg/kg	1
06944	Antimony	7440-36-0	9.80	0.993	2.42	mg/kg	1
06947	Beryllium	7440-41-7	0.712	0.0521	0.606	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.104	0.606	mg/kg	1
06951	Chromium	7440-47-3	156.	0.642	1.82	mg/kg	1
06953	Copper	7440-50-8	193.	0.363	1.21	mg/kg	1
06955	Lead	7439-92-1	427.	0.945	2.42	mg/kg	1
06961	Nickel	7440-02-0	48.8	0.400	1.21	mg/kg	1
06966	Silver	7440-22-4	0.849	0.230	0.606	mg/kg	1
06972	Zinc	7440-66-6	659.	0.557	2.42	mg/kg	1
00111	Moisture	n.a.	20.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.26 J	0.22	0.61	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00428	0.0209	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00428	0.0209	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00428	0.0209	mg/kg	20
01221	p,p-DDT	50-29-3	0.327	0.00831	0.0428	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00831	0.0428	mg/kg	20
01223	Endrin	72-20-8	0.0109 J	0.00831	0.0428	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0428	0.209	mg/kg	20
01981	Alpha BHC	319-84-6	0.0108 J	0.00428	0.0209	mg/kg	20
01982	Beta BHC	319-85-7	0.00430 J	0.00428	0.0209	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00529	0.0209	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00428	0.0209	mg/kg	20
01985	p,p-DDE	72-55-9	0.0777	0.00831	0.0428	mg/kg	20
01986	p,p-DDD	72-54-8	0.214	0.00831	0.0428	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.101	0.428	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.277	0.831	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00428	0.0209	mg/kg	20
01990	Endosulfan II	33213-65-9	0.0353 J	0.00831	0.0428	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00831	0.0428	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00831	0.0428	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102411

Lancaster Laboratories Sample No. SW 4588208

05-MET-047 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/19/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:17

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET47

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.186	0.428	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0831	0.428	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.121	0.428	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0756	0.428	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.277	0.831	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.428	0.428	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.831	0.831	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for aroclor-1254 and aroclor-1260.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.63	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.042	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.042	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.042	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.042	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.042	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.084	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	0.060 J	0.042	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.63	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.084	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.63	mg/kg	1
01195	Pyrene	129-00-0	1.5	0.042	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.053 J	0.042	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.042	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.042	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.042	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.84	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.63	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.084	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.042	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.042	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.042	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.042	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.042	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102412

**Lancaster Laboratories Sample No. SW 4588208**
**05-MET-047 Grab Soil Sample**
**N(2-2.5)**
**Former Metro Container Investigation**

Collected: 08/19/2005 10:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:17

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET47

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.042	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.042	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.042	0.21	mg/kg	1
03761	Naphthalene	91-20-3	0.070 J	0.042	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.084	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.63	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.042	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	0.072 J	0.042	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.084	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.042	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.13 J	0.042	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.042	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.084	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.042	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.042	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.042	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.042	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.41	0.042	0.21	mg/kg	1
03776	Anthracene	120-12-7	0.12 J	0.042	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.084	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.93	0.042	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.84	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.084	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.78	0.042	0.21	mg/kg	1
03782	Chrysene	218-01-9	1.2	0.042	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.42	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.084	0.42	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.084	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	1.1	0.042	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.28	0.042	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.81	0.042	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.55	0.042	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.47	0.042	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	1.1	0.042	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.32

\*=This limit was used in the evaluation of the final result

AR102413



Lancaster Laboratories Sample No. SW 4588208

05-MET-047 Grab Soil Sample

N(2-2.5)

Former Metro Container Investigation

Collected: 08/19/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:17

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET47

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.32
02020	t-Butyl alcohol	75-65-0	N.D.	0.033	0.17	mg/kg	1.32
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.32
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.32
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.32
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.32
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.32
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.32
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.008	mg/kg	1.32
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.32
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.008	mg/kg	1.32
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.008	mg/kg	1.32
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.32
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.32
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.32
05460	Benzene	71-43-2	N.D.	0.0008	0.008	mg/kg	1.32
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.32
05462	Trichloroethene	79-01-6	N.D.	0.002	0.008	mg/kg	1.32
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.32
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.32
05466	Toluene	108-88-3	N.D.	0.002	0.008	mg/kg	1.32
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.32
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.008	mg/kg	1.32
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.32
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	1.32
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.008	mg/kg	1.32
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.32
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.32
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.32
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.32
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.008	mg/kg	1.32
07586	Acrolein	107-02-8	N.D.	0.033	0.17	mg/kg	1.32
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.033	mg/kg	1.32

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR102414

**Lancaster Laboratories Sample No. SW 4588208**
**05-MET-047 Grab Soil Sample**
**N(2-2.5)**
**Former Metro Container Investigation**

Collected: 08/19/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:17

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET47

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:30	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/23/2005 22:21	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/23/2005 22:21	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:15	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/23/2005 22:21	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/23/2005 22:21	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/23/2005 22:21	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/23/2005 22:21	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/23/2005 22:21	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/23/2005 22:21	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/23/2005 22:21	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/23/2005 22:21	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/23/2005 22:21	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:04	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:05	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 19:34	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 02:30	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 22:27	[REDACTED]	1.32
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 22:27	[REDACTED]	1.32
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102415

**Lancaster Laboratories Sample No. SW 4588208**

**05-MET-047 Grab Soil Sample**

**N(2-2.5)**

**Former Metro Container Investigation**

Collected: 08/19/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:17

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**MET47**

05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/22/2005 02:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:34	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:42	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 12:42	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588208  
 Sample wt/vol: 3.8 (g/mL) g      Lab File ID: HP09193.i/05aug25b.b/xg25s78.d  
 Level: (low/med) LOW      Date Received: 08/19/05  
 % Moisture: not dec. 21      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.73	4.7	J
2.	Unknown	1.79	2.1	J
3.	Unknown	1.93	6.0	J
4.	Unknown siloxane	12.26	0.027	J B
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102417

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588208  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0771.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 21 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!2-Pentanone, 4-hydroxy-4-met	2.668	13	JAB
2.	!Unknown	7.839	.62	J
3.10544-50-0	!Cyclic octaatomic sulfur	8.742	1.5	J
4.	!Unknown	9.447	.48	J
5.	!Unknown Alkane	9.543	.59	J
6.	!Pyrene, 1,3-dimethyl-	9.564	.35	JX
7.	!Unknown	9.645	.60	J
8.	!Unknown	9.703	.59	J
9.	!Unknown Alkane	9.821	.48	J
10.	!Unknown	9.938	.46	J
11.82-05-3	!7H-Benz[de]anthracen-7-one	9.981	.92	J
12.	!Unknown Alkane	10.093	.66	J
13.	!Triphenylene, 2-methyl-	10.200	1.1	JX
14.	!Triphenylene, 2-methyl-	10.227	.48	JX
15.	!Unknown	10.302	.64	J
16.	!Unknown Alkane	10.360	.52	J
17.	!Unknown	10.441	.57	J
18.	!Benzo[c]phenanthrene, 5,8-di	10.494	1.5	JX
19.	!Benzo[c]phenanthrene, 5,8-di	10.563	.58	JX
20.	!Perylene, 1,2,3,7,8,9-hexahy	10.628	1.8	JX
21.	!1,3 Diphenylisobenzofuran	10.783	.52	JX
22.	!Unknown Alkane	10.884	.77	J
23.	!Benzo[k]fluoranthene	10.932	1.1	JX
24.	!Unknown	11.140	.52	J
25.	!Unknown	12.636	.46	J
26.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102418

Lancaster Laboratories Sample No. SW 4588209

05-MET-043 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/19/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:18

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	1.08	0.0036	0.134	mg/kg	1
06925	Thallium	7440-28-0	3.60	1.25	2.61	mg/kg	1
06935	Arsenic	7440-38-2	10.4	0.874	2.61	mg/kg	1
06936	Selenium	7782-49-2	2.53 J	1.25	2.61	mg/kg	1
06944	Antimony	7440-36-0	9.71	1.07	2.61	mg/kg	1
06947	Beryllium	7440-41-7	0.481 J	0.0561	0.652	mg/kg	1
06949	Cadmium	7440-43-9	2.19	0.112	0.652	mg/kg	1
06951	Chromium	7440-47-3	2,060.	0.691	1.96	mg/kg	1
06953	Copper	7440-50-8	255.	0.391	1.30	mg/kg	1
06955	Lead	7439-92-1	219.	1.02	2.61	mg/kg	1
06961	Nickel	7440-02-0	89.2	0.431	1.30	mg/kg	1
06966	Silver	7440-22-4	1.17	0.248	0.652	mg/kg	1
06972	Zinc	7440-66-6	470.	0.600	2.61	mg/kg	1
00111	Moisture	n.a.	26.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.34 J	0.23	0.65	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.7	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0115	0.0563	mg/kg	50
01219	Heptachlor	76-44-8	N.D.	0.0115	0.0563	mg/kg	50
01220	Aldrin	309-00-2	N.D.	0.0115	0.0563	mg/kg	50
01221	p,p-DDT	50-29-3	N.D.	0.115	0.115	mg/kg	50
01222	Dieldrin	60-57-1	N.D.	0.0224	0.115	mg/kg	50
01223	Endrin	72-20-8	N.D.	0.0224	0.115	mg/kg	50
01859	Methoxychlor	72-43-5	N.D.	0.115	0.563	mg/kg	50
01981	Alpha BHC	319-84-6	N.D.	0.0115	0.0563	mg/kg	50
01982	Beta BHC	319-85-7	0.0148 J	0.0115	0.0563	mg/kg	50
01983	Delta BHC	319-86-8	N.D.	0.0142	0.0563	mg/kg	50
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0563	0.0563	mg/kg	50
01985	p,p-DDE	72-55-9	N.D.	0.231	0.231	mg/kg	50
01986	p,p-DDD	72-54-8	1.24	0.0448	0.231	mg/kg	100
01987	Chlordane	57-74-9	N.D.	0.271	1.15	mg/kg	50
01988	Toxaphene	8001-35-2	N.D.	0.746	2.24	mg/kg	50
01989	Endosulfan I	959-98-8	N.D.	0.0115	0.0563	mg/kg	50
01990	Endosulfan II	33213-65-9	N.D.	0.0224	0.115	mg/kg	50
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0224	0.115	mg/kg	50
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0224	0.115	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR102419

Lancaster Laboratories Sample No. SW 4588209

05-MET-043 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/19/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:18

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.502	1.15	mg/kg	50
01994	PCB-1221	11104-28-2	N.D.	0.224	1.15	mg/kg	50
01995	PCB-1232	11141-16-5	N.D.	0.326	1.15	mg/kg	50
01996	PCB-1242	53469-21-9	N.D.	0.204	1.15	mg/kg	50
01997	PCB-1248	12672-29-6	3.92	0.746	2.24	mg/kg	50
01998	PCB-1254	11097-69-1	2.27	0.224	1.15	mg/kg	50
01999	PCB-1260	11096-82-5	N.D.	0.746	2.24	mg/kg	50

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for heptachlor epoxide, 4,4'-DDE and 4,4'-DDT.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.14	0.68	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.045	0.23	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.045	0.23	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.045	0.23	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.045	0.23	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.045	0.23	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.090	0.23	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.045	0.23	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.23	0.68	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.090	0.23	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.23	0.68	mg/kg	1
01195	Pyrene	129-00-0	3.0	0.045	0.23	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.055 J	0.045	0.23	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.045	0.23	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.14	0.23	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.045	0.23	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.045	0.23	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.90	2.7	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.23	0.68	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.090	0.23	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.045	0.23	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.045	0.23	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.045	0.23	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.045	0.23	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102420

Lancaster Laboratories Sample No. SW 4588209

05-MET-043 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/19/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:18

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.045	0.23	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.045	0.23	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.045	0.23	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.045	0.23	mg/kg	1
03761	Naphthalene	91-20-3	0.098 J	0.045	0.23	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.090	0.23	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.23	0.68	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.045	0.23	mg/kg	1
03765	Acenaphthylene	208-96-8	0.21 J	0.045	0.23	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.090	0.23	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.045	0.23	mg/kg	1
03768	Fluorene	86-73-7	0.062 J	0.045	0.23	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.045	0.23	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.090	0.23	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.045	0.23	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.045	0.23	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.045	0.23	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.045	0.23	mg/kg	1
03775	Phenanthrene	85-01-8	0.81	0.045	0.23	mg/kg	1
03776	Anthracene	120-12-7	0.15 J	0.045	0.23	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	0.27	0.090	0.23	mg/kg	1
03778	Fluoranthene	206-44-0	1.5	0.045	0.23	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.90	2.7	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.090	0.23	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.44	0.045	0.23	mg/kg	1
03782	Chrysene	218-01-9	0.57	0.045	0.23	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.14	0.45	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	1.1	0.090	0.45	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.090	0.23	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.62	0.045	0.23	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.25	0.045	0.23	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.56	0.045	0.23	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.36	0.045	0.23	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.11 J	0.045	0.23	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.74	0.045	0.23	mg/kg	1
06373	Add'l Volatile Compounds						

\*=This limit was used in the evaluation of the final result

AR102421



Lancaster Laboratories Sample No. SW 4588209

05-MET-043 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/19/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:18

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.03
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.03
02020	t-Butyl alcohol	75-65-0	N.D.	0.028	0.14	mg/kg	1.03
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.03
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.03
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.03
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.03
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.03
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.03
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.03
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.03
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1.03
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1.03
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.03
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.03
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.03
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	1.03
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.03
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.03
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.03
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.03
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	1.03
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.03
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.03
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.03
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.03
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	1.03
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.03
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.03
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.03
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.03
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	1.03
07586	Acrolein	107-02-8	N.D.	0.028	0.14	mg/kg	1.03
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.028	mg/kg	1.03

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4588209

05-MET-043 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/19/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:18

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET43

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatiles Library Search						
	The results from the semivolatiles library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:33	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/23/2005 22:26	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/23/2005 22:26	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:19	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/23/2005 22:26	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/23/2005 22:26	[REDACTED]	1
06949	Cadmium	SW-846 6010B	2	08/25/2005 17:19	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/23/2005 22:26	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/23/2005 22:26	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/23/2005 22:26	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/23/2005 22:26	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/23/2005 22:26	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/23/2005 22:26	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:05	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:06	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 20:15	[REDACTED]	50
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 06:33	[REDACTED]	100
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 02:51	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 20:33	[REDACTED]	1.03
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 20:33	[REDACTED]	1.03
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102423

**Lancaster Laboratories Sample No. SW 4588209**

**05-MET-043 Grab Soil Sample**

**N(4-4.5)**

**Former Metro Container Investigation**

Collected: 08/19/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:18

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MET43

05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/22/2005 02:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:36	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:43	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 12:43	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! MET43 !
Matrix: (soil/water) SOIL	SAS No.: _____	! _____ !
Sample wt/vol: 4.85 (g/mL) g	Lab Sample ID: 4588209	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09193.i/05aug25b.b/xg25s38.d	
% Moisture: not dec. 26	Date Received: 08/19/05	
Column: (pack/cap) CAP	Date Analyzed: 08/25/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	3.0	J
2. 75-15-0	Carbon disulfide	3.87	0.011	J
3.	Unknown siloxane	12.26	0.012	J B
4.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102425

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588209  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0772.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 26 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.678	19	JAB
2.	Unknown Alkane	7.272	.92	J
3.	Unknown Alkane	8.656	1.1	J
4.10544-50-0	Cyclic octaatomic sulfur	8.747	4.0	J
5.72-54-8	1,1-Dichloro-2,2-bis(p-chlor	9.244	.77	J
6.	Unknown Alkane	9.361	.44	J
7.	Unknown	9.447	.56	J
8.	Unknown Alkane	9.538	.88	J
9.	Unknown Alkane	9.639	.59	J
10.	Cyclopenta[cd]pyrene	9.687	2.1	JX
11.	Unknown Alkane	9.821	.56	J
12.	Unknown	9.944	.46	J
13.	Unknown	9.981	.46	J
14.	Unknown	10.098	1.0	J
15.	Unknown	10.141	.67	J
16.	Unknown	10.189	1.1	J
17.	Unknown	10.232	.89	J
18.	Unknown Alkane	10.360	.52	J
19.	Unknown	10.777	.62	J
20.	Unknown Alkane	10.884	.76	J
21.	Benz[e]acephenanthrylene	10.932	.41	JX
22.	Unknown	11.760	.59	J
23.	Unknown	12.080	.41	J
24.	Unknown Alkane	12.129	.69	J
25.	Unknown	12.246	.39	J
26.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102426

Lancaster Laboratories Sample No. SW 4588210

05-MET-038 Grab Soil Sample

N(4.5-5)

Former Metro Container Investigation

Collected: 08/19/2005 11:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:19

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET38

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.381	0.0040	0.149	mg/kg	1
06925	Thallium	7440-28-0	2.70 J	1.43	2.97	mg/kg	1
06935	Arsenic	7440-38-2	22.8	0.996	2.97	mg/kg	1
06936	Selenium	7782-49-2	2.14 J	1.43	2.97	mg/kg	1
06944	Antimony	7440-36-0	5.55	1.22	2.97	mg/kg	1
06947	Beryllium	7440-41-7	0.117 J	0.0639	0.743	mg/kg	1
06949	Cadmium	7440-43-9	1.19	0.128	0.743	mg/kg	1
06951	Chromium	7440-47-3	1,210.	0.788	2.23	mg/kg	1
06953	Copper	7440-50-8	502.	0.446	1.49	mg/kg	1
06955	Lead	7439-92-1	154.	1.16	2.97	mg/kg	1
06961	Nickel	7440-02-0	66.4	0.490	1.49	mg/kg	1
06966	Silver	7440-22-4	1.03	0.282	0.743	mg/kg	1
06972	Zinc	7440-66-6	231.	0.684	2.97	mg/kg	1
00111	Moisture	n.a.	35.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.27	0.75	mg/kg	1
05912	Phenols	n.a.	N.D.	1.8	5.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00788	0.0385	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00788	0.0385	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00788	0.0385	mg/kg	10
01221	p,p-DDT	50-29-3	0.399	0.0153	0.0788	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.0153	0.0788	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.0153	0.0788	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0788	0.385	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00788	0.0385	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00788	0.0385	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00974	0.0385	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00788	0.0385	mg/kg	10
01985	p,p-DDE	72-55-9	0.0954	0.0153	0.0788	mg/kg	10
01986	p,p-DDD	72-54-8	0.233	0.0153	0.0788	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.185	0.788	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.510	1.53	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00788	0.0385	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.0153	0.0788	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0153	0.0788	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0153	0.0788	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102427

**Lancaster Laboratories Sample No. SW 4588210**

**05-MET-038 Grab Soil Sample**

**N(4.5-5)**

**Former Metro Container Investigation**

Collected: 08/19/2005 11:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:19

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET38

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.343	0.788	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.153	0.788	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.223	0.788	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.139	0.788	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.510	1.53	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.153	0.788	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.510	1.53	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.15	0.77	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.052	0.26	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.052	0.26	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.052	0.26	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.052	0.26	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.052	0.26	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.10	0.26	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.052	0.26	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.26	0.77	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.10	0.26	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.26	0.77	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.052	0.26	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.052	0.26	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.052	0.26	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.15	0.26	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.052	0.26	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.052	0.26	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	1.0	3.1	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.26	0.77	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.10	0.26	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.052	0.26	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.052	0.26	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.052	0.26	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.052	0.26	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.052	0.26	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.052	0.26	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.052	0.26	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.052	0.26	mg/kg	1
03761	Naphthalene	91-20-3	0.077 J	0.052	0.26	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102428

**Lancaster Laboratories Sample No. SW 4588210**
**05-MET-038 Grab Soil Sample**
**N(4.5-5)**
**Former Metro Container Investigation**

Collected: 08/19/2005 11:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:19

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET38

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.10	0.26	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.26	0.77	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.052	0.26	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.052	0.26	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.10	0.26	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.052	0.26	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.052	0.26	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.052	0.26	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.10	0.26	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.052	0.26	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.052	0.26	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.052	0.26	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.052	0.26	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.052	0.26	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.052	0.26	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.10	0.26	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.052	0.26	mg/kg	1
03779	Benzidine	92-87-5	N.D.	1.0	3.1	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.10	0.26	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.052	0.26	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.052	0.26	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.15	0.52	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.16 J	0.10	0.52	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.10	0.26	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.052	0.26	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.052	0.26	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.052	0.26	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.052	0.26	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.052	0.26	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.052	0.26	mg/kg	1
The GC/MS semivolatile surrogate recoveries were outside of QC limits. The analysis was repeated and surrogate recoveries were again outside of QC limits, indicating a matrix effect.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.07

\*=This limit was used in the evaluation of the final result

AR102429



Lancaster Laboratories Sample No. SW 4588210

05-MET-038 Grab Soil Sample

N(4.5-5)

Former Metro Container Investigation

Collected: 08/19/2005 11:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:19

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET38

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.07
02020	t-Butyl alcohol	75-65-0	0.045 J	0.033	0.17	mg/kg	1.07
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.07
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.07
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.07
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.07
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.07
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.07
05450	Methylene Chloride	75-09-2	0.008 J	0.003	0.008	mg/kg	1.07
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.07
05452	1,1-Dichloroethane	75-34-3	0.010	0.002	0.008	mg/kg	1.07
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.008	mg/kg	1.07
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.07
05457	1,1,1-Trichloroethane	71-55-6	0.014	0.002	0.008	mg/kg	1.07
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.07
05460	Benzene	71-43-2	N.D.	0.0008	0.008	mg/kg	1.07
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.07
05462	Trichloroethene	79-01-6	0.006 J	0.002	0.008	mg/kg	1.07
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.07
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.07
05466	Toluene	108-88-3	N.D.	0.002	0.008	mg/kg	1.07
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.07
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.008	mg/kg	1.07
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.07
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	1.07
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.008	mg/kg	1.07
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.07
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.07
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.07
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.07
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.008	mg/kg	1.07
07586	Acrolein	107-02-8	N.D.	0.033	0.17	mg/kg	1.07
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.033	mg/kg	1.07

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate

\*=This limit was used in the evaluation of the final result

AR102430

**Lancaster Laboratories Sample No. SW 4588210**

**05-MET-038 Grab Soil Sample**

**N(4.5-5)**

**Former Metro Container Investigation**

Collected: 08/19/2005 11:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:19

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET38

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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recoveries were again observed indicating a matrix effect.

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:35	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/23/2005 22:30	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/23/2005 22:30	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:32	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/23/2005 22:30	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/23/2005 22:30	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/23/2005 22:30	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/23/2005 22:30	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/23/2005 22:30	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/23/2005 22:30	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/23/2005 22:30	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/23/2005 22:30	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/23/2005 22:30	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:07	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:08	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102431

Lancaster Laboratories Sample No. SW 4588210

05-MET-038 Grab Soil Sample

N(4.5-5)

Former Metro Container Investigation

Collected: 08/19/2005 11:50

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:19

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

## MET38

01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 20:56	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 07:12	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 20:56	[REDACTED]	1.07
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 20:56	[REDACTED]	1.07
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/22/2005 02:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:37	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:44	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 12:44	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588210  
 Sample wt/vol: 4.66 (g/mL) g      Lab File ID: HP09193.i/05aug25b.b/xg25s39.d  
 Level: (low/med) LOW      Date Received: 08/19/05  
 % Moisture: not dec. 35      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
2. 75-15-0	Carbon disulfide	3.86	0.020	J
3.	Unknown siloxane	12.26	0.039	J B
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102433

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588210  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0811.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 35 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.668	19	JAB
2.	Unknown	6.690	.81	J
3.	Unknown Alkane	7.278	1.5	J
4.	Unknown Alkane	7.652	1.6	J
5.	Unknown Alkane	8.005	2.6	J
6.	Unknown Alkane	8.341	4.0	J
7.	Unknown Alkane	8.662	4.6	J
8.10544-50-0	Cyclic octaatomic sulfur	8.742	2.4	J
9.	Unknown	8.838	1.1	J
10.	Unknown Alkane	8.966	3.4	J
11.	Unknown Alkane	9.153	.92	J
12.	Unknown Alkane	9.265	3.5	J
13.	Unknown Alkane	9.447	1.1	J
14.	Unknown Alkane	9.549	2.5	J
15.	Unknown	9.703	1.3	J
16.	Unknown Alkane	9.826	2.1	J
17.	Unknown	9.997	.94	J
18.	Unknown Alkane	10.099	1.7	J
19.	Unknown Alkane	10.179	1.4	J
20.	Unknown	10.371	4.0	J
21.	Unknown	10.451	1.1	J
22.	Unknown Alkane	10.718	1.5	J
23.	Unknown	10.783	1.0	J
24.	Unknown Alkane	10.889	1.2	J
25.	Unknown	12.145	1.1	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102434

Lancaster Laboratories Sample No. SW 4588211

05-MET-028 Grab Soil Sample

N(8-8.5)

Former Metro Container Investigation

Collected: 08/19/2005 08:05

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:20

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET28

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0045 J	0.0032	0.118	mg/kg	1
06925	Thallium	7440-28-0	1.55 J	1.10	2.30	mg/kg	1
06935	Arsenic	7440-38-2	2.87	0.770	2.30	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.10	2.30	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.942	2.30	mg/kg	1
06947	Beryllium	7440-41-7	0.573 J	0.0494	0.574	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0988	0.574	mg/kg	1
06951	Chromium	7440-47-3	25.7	0.609	1.72	mg/kg	1
06953	Copper	7440-50-8	9.42	0.345	1.15	mg/kg	1
06955	Lead	7439-92-1	6.73	0.896	2.30	mg/kg	1
06961	Nickel	7440-02-0	18.4	0.379	1.15	mg/kg	1
06966	Silver	7440-22-4	0.294 J	0.218	0.574	mg/kg	1
06972	Zinc	7440-66-6	42.7	0.528	2.30	mg/kg	1
00111	Moisture	n.a.	16.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000203	0.000992	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000203	0.000992	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000203	0.000992	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000394	0.00203	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000394	0.00203	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000394	0.00203	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00203	0.00992	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000203	0.000992	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000203	0.000992	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000251	0.000992	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000203	0.000992	mg/kg	1
01985	p,p-DDE	72-55-9	0.000418 J	0.000394	0.00203	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000394	0.00203	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00478	0.0203	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0131	0.0394	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000203	0.000992	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000394	0.00203	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000394	0.00203	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000394	0.00203	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102435

Lancaster Laboratories Sample No. SW 4588211

05-MET-028 Grab Soil Sample  
N(8-8.5)  
Former Metro Container Investigation

Collected: 08/19/2005 08:05

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 08/30/2005 at 21:20  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET28

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00884	0.0203	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00394	0.0203	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00573	0.0203	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00358	0.0203	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0131	0.0394	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00394	0.0203	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0131	0.0394	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.60	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.040	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.040	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.040	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.040	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.040	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.080	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	0.090 J	0.040	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.60	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.080	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.60	mg/kg	1
01195	Pyrene	129-00-0	1.0	0.040	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.040	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.040	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.040	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.040	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.80	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.60	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.080	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.040	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.040	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.040	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.040	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.040	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.040	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.040	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.040	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.040	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.080	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.60	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102436

**Lancaster Laboratories Sample No. SW 4588211**
**05-MET-028 Grab Soil Sample**
**N(8-8.5)**
**Former Metro Container Investigation**

Collected: 08/19/2005 08:05

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:20

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET28

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.040	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.040	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.080	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.040	0.20	mg/kg	1
03768	Fluorene	86-73-7	0.25	0.040	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.040	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.080	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.040	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	0.21	0.040	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.040	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.040	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.040	0.20	mg/kg	1
03776	Anthracene	120-12-7	0.22	0.040	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.080	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.040	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.80	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.080	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	2.5	0.040	0.20	mg/kg	1
03782	Chrysene	218-01-9	3.1	0.040	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.40	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.080	0.40	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.080	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.48	0.040	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.11 J	0.040	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.23	0.040	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.040	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.39	0.040	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.040	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.87
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.87
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	0.10	mg/kg	0.87
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.87

\*=This limit was used in the evaluation of the final result

AR102437



**Lancaster Laboratories Sample No. SW 4588211**
**05-MET-028 Grab Soil Sample**
**N(8-8.5)**
**Former Metro Container Investigation**

Collected: 08/19/2005 08:05

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:20

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET28

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.87
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.87
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.87
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.87
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.87
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.005	mg/kg	0.87
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.87
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	0.87
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.87
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.87
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.87
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.87
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	0.87
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.87
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.87
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.87
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.87
05466	Toluene	108-88-3	N.D.	0.001	0.005	mg/kg	0.87
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.87
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.87
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.87
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.87
05474	Ethylbenzene	100-41-4	0.002 J	0.001	0.005	mg/kg	0.87
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.87
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.87
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.87
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.87
06301	Xylene (Total)	1330-20-7	0.001 J	0.001	0.005	mg/kg	0.87
07586	Acrolein	107-02-8	N.D.	0.021	0.10	mg/kg	0.87
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.021	mg/kg	0.87

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4588211

05-MET-028 Grab Soil Sample

N(8-8.5)

Former Metro Container Investigation

Collected: 08/19/2005 08:05

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:20

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET28

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:36		1
06925	Thallium	SW-846 6010B	1	08/23/2005 22:35		1
06935	Arsenic	SW-846 6010B	1	08/23/2005 22:35		1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:36		1
06944	Antimony	SW-846 6010B	1	08/23/2005 22:35		1
06947	Beryllium	SW-846 6010B	1	08/23/2005 22:35		1
06949	Cadmium	SW-846 6010B	1	08/23/2005 22:35		1
06951	Chromium	SW-846 6010B	1	08/23/2005 22:35		1
06953	Copper	SW-846 6010B	1	08/23/2005 22:35		1
06955	Lead	SW-846 6010B	1	08/23/2005 22:35		1
06961	Nickel	SW-846 6010B	1	08/23/2005 22:35		1
06966	Silver	SW-846 6010B	1	08/23/2005 22:35		1
06972	Zinc	SW-846 6010B	1	08/23/2005 22:35		1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:08		1
05912	Phenols	SW846 9066	1	08/29/2005 11:09		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 22:47		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 07:32		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 21:19		0.87
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 21:19		0.87
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00		1

\*=This limit was used in the evaluation of the final result

AR102439

**Lancaster Laboratories Sample No. SW 4588211**

**05-MET-028 Grab Soil Sample**

**N(8-8.5)**

**Former Metro Container Investigation**

Collected: 08/19/2005 08:05

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:20

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

## MET28

05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/23/2005 13:35		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:38		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:45		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 12:45		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4588211  
 Sample wt/vol: 5.76 (g/mL) g Lab File ID: HP09193.i/05aug25b.b/xg25s40.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: not dec. 16 Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown alkane	12.10	0.26	J
2.	Unknown alkane	12.12	0.29	J
3.	Unknown alkane	12.20	0.25	J
4.	Unknown alicyclic	12.46	0.36	J
5.	Unknown alicyclic	12.66	0.28	J
6.	Unknown	12.78	0.40	J
7.	Unknown alicyclic	12.87	0.29	J
8.	Unknown alicyclic	12.93	0.26	J
9.	Unknown alkane	13.03	0.38	J
10.	Unknown alkane	13.10	0.32	J
11.	Unknown hydrocarbon	13.32	0.34	J
12.	Unknown alicyclic	13.35	0.24	J
13.	Unknown	13.48	0.25	J
14.	Unknown alicyclic	13.67	0.28	J
15.	Unknown alkane	13.74	0.29	J
16.				
17.				
18.				
19.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102441

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588211  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0812.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 16 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.662	13	JAB
2.	Unknown Cycloalkane	8.127	4.1	J
3.	Unknown	8.213	4.3	J
4.	Unknown	8.298	4.2	J
5.	Phenanthrene, 3,6-dimethyl-	8.539	4.2	JX
6.	Unknown	8.603	5.4	J
7.	Unknown	8.726	4.6	J
8.	Unknown	8.854	2.2	J
9.	Unknown Cycloalkane	8.945	1.4	J
10.	Unknown	9.014	1.4	J
11.	Unknown	9.174	2.9	J
12.	Unknown Alkane	9.217	1.7	J
13.	Unknown	9.281	1.2	J
14.	Unknown	9.303	2.0	J
15.	Unknown	9.447	1.6	J
16.	Unknown	9.511	1.3	J
17.	Unknown Alkane	9.586	1.7	J
18.	Unknown	9.730	1.6	J
19.	Unknown	10.019	1.3	J
20.	Triphenylene, 2-methyl-	10.232	1.6	JX
21.	Chrysene, 1-methyl-	10.264	1.1	JX
22.	Benzo[c]phenanthrene, 5,8-di	10.526	1.5	JX
23.	Unknown	10.563	1.6	J
24.	Unknown	10.815	1.9	J
25.	Unknown	10.932	1.6	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102442

**Lancaster Laboratories Sample No. SW 4588212**
**05-MET-109S Grab Soil Sample**
**N(1.5-2.0)**
**Former Metro Container Investigation**

Collected: 08/19/2005 08:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:20

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

M109S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.415	0.0034	0.129	mg/kg	1
06925	Thallium	7440-28-0	4.03	1.25	2.61	mg/kg	1
06935	Arsenic	7440-38-2	1.86 J	0.874	2.61	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.25	2.61	mg/kg	1
06944	Antimony	7440-36-0	1.45 J	1.07	2.61	mg/kg	1
06947	Beryllium	7440-41-7	1.13	0.0561	0.652	mg/kg	1
06949	Cadmium	7440-43-9	35.0	0.112	0.652	mg/kg	1
06951	Chromium	7440-47-3	104.	0.692	1.96	mg/kg	1
06953	Copper	7440-50-8	86.4	0.391	1.30	mg/kg	1
06955	Lead	7439-92-1	606.	1.02	2.61	mg/kg	1
06961	Nickel	7440-02-0	32.4	0.431	1.30	mg/kg	1
06966	Silver	7440-22-4	1.89	0.248	0.652	mg/kg	1
06972	Zinc	7440-66-6	214.	0.600	2.61	mg/kg	1
00111	Moisture	n.a.	25.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	2.1	0.24	0.66	mg/kg	1
05912	Phenols	n.a.	38.4 J	16.1	46.9	mg/kg	10
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.228	1.12	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.228	1.12	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.228	1.12	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.444	2.28	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	2.28	2.28	mg/kg	1000
01223	Endrin	72-20-8	N.D.	0.444	2.28	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	2.28	11.2	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.228	1.12	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.228	1.12	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.282	1.12	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	1.12	1.12	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	6.59	6.59	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	0.444	2.28	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	22.8	22.8	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	14.8	44.4	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.228	1.12	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	0.444	2.28	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.444	2.28	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	2.28	2.28	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR102443

Lancaster Laboratories Sample No. SW 4588212

05-MET-109S Grab Soil Sample

N(1.5-2.0)

Former Metro Container Investigation

Collected: 08/19/2005 08:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:20

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

M109S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	9.95	22.8	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	4.44	22.8	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	6.45	22.8	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	4.03	22.8	mg/kg	1000
01997	PCB-1248	12672-29-6	94.6	14.8	44.4	mg/kg	1000
01998	PCB-1254	11097-69-1	53.6	4.44	22.8	mg/kg	1000
01999	PCB-1260	11096-82-5	29.3 J	14.8	44.4	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for heptachlor epoxide, 4,4'-DDE, dieldrin, endrin aldehyde and chlordane.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	4.0	20.	mg/kg	10
01185	Phenol	108-95-2	N.D.	1.3	6.7	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	1.3	6.7	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.3	6.7	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.3	6.7	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	1.8 J	1.3	6.7	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.7	6.7	mg/kg	10
01191	Acenaphthene	83-32-9	2.1 J	1.3	6.7	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	6.7	20.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.7	6.7	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	6.7	20.	mg/kg	10
01195	Pyrene	129-00-0	38.	1.3	6.7	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	5.9 J	1.3	6.7	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	1.3	6.7	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	4.0	6.7	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.3	6.7	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.3	6.7	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	27.	81.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	6.7	20.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.7	6.7	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.3	6.7	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.3	6.7	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	2.1 J	1.3	6.7	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.3	6.7	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102444

Lancaster Laboratories Sample No. SW 4588212

05-MET-109S Grab Soil Sample

N(1.5-2.0)

Former Metro Container Investigation

Collected: 08/19/2005 08:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:20

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

M109S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	1.3	6.7	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	1.3	6.7	mg/kg	10
03759	Isophorone	78-59-1	N.D.	1.3	6.7	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.3	6.7	mg/kg	10
03761	Naphthalene	91-20-3	6.8	1.3	6.7	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	2.7	6.7	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	6.7	20.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	1.3	6.7	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	1.3	6.7	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	2.7	6.7	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.3	6.7	mg/kg	10
03768	Fluorene	86-73-7	2.9 J	1.3	6.7	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.3	6.7	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	2.7	6.7	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.3	6.7	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	2.7 J	1.3	6.7	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.3	6.7	mg/kg	10
03774	Hexachlorobenzene	118-74-1	11.	1.3	6.7	mg/kg	10
03775	Phenanthrene	85-01-8	24.	1.3	6.7	mg/kg	10
03776	Anthracene	120-12-7	5.9 J	1.3	6.7	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	2.7	6.7	mg/kg	10
03778	Fluoranthene	206-44-0	25.	1.3	6.7	mg/kg	10
03779	Benzidine	92-87-5	N.D.	27.	81.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	2.7	6.7	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	11.	1.3	6.7	mg/kg	10
03782	Chrysene	218-01-9	22.	1.3	6.7	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	4.0	13.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.7	13.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	2.7	6.7	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	7.3	1.3	6.7	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	2.2 J	1.3	6.7	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	7.7	1.3	6.7	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	3.9 J	1.3	6.7	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	3.5 J	1.3	6.7	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	7.3	1.3	6.7	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR102445



**Lancaster Laboratories Sample No. SW 4588212**
**05-MET-109S Grab Soil Sample**
**N(1.5-2.0)**
**Former Metro Container Investigation**

Collected: 08/19/2005 08:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:20

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

M109S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.67	3.3	mg/kg	497.02
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.33	3.3	mg/kg	497.02
02020	t-Butyl alcohol	75-65-0	N.D.	13.	67.	mg/kg	497.02
05444	Chloromethane	74-87-3	N.D.	1.3	3.3	mg/kg	497.02
05445	Vinyl Chloride	75-01-4	N.D.	0.67	3.3	mg/kg	497.02
05446	Bromomethane	74-83-9	N.D.	1.3	3.3	mg/kg	497.02
05447	Chloroethane	75-00-3	N.D.	1.3	3.3	mg/kg	497.02
05448	Trichlorofluoromethane	75-69-4	N.D.	1.3	3.3	mg/kg	497.02
05449	1,1-Dichloroethene	75-35-4	N.D.	0.67	3.3	mg/kg	497.02
05450	Methylene Chloride	75-09-2	N.D.	1.3	3.3	mg/kg	497.02
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.67	3.3	mg/kg	497.02
05452	1,1-Dichloroethane	75-34-3	N.D.	0.67	3.3	mg/kg	497.02
05454	cis-1,2-Dichloroethene	156-59-2	1.8 J	0.67	3.3	mg/kg	497.02
05455	Chloroform	67-66-3	N.D.	0.67	3.3	mg/kg	497.02
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.67	3.3	mg/kg	497.02
05458	Carbon Tetrachloride	56-23-5	N.D.	0.67	3.3	mg/kg	497.02
05460	Benzene	71-43-2	N.D.	0.33	3.3	mg/kg	497.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.67	3.3	mg/kg	497.02
05462	Trichloroethene	79-01-6	0.93 J	0.67	3.3	mg/kg	497.02
05463	1,2-Dichloropropane	78-87-5	N.D.	0.67	3.3	mg/kg	497.02
05465	Bromodichloromethane	75-27-4	N.D.	0.67	3.3	mg/kg	497.02
05466	Toluene	108-88-3	24.	0.67	3.3	mg/kg	497.02
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.67	3.3	mg/kg	497.02
05468	Tetrachloroethene	127-18-4	N.D.	0.67	3.3	mg/kg	497.02
05470	Dibromochloromethane	124-48-1	N.D.	0.67	3.3	mg/kg	497.02
05472	Chlorobenzene	108-90-7	N.D.	0.67	3.3	mg/kg	497.02
05474	Ethylbenzene	100-41-4	4.1	0.67	3.3	mg/kg	497.02
05478	Bromoform	75-25-2	N.D.	0.67	3.3	mg/kg	497.02
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.67	3.3	mg/kg	497.02
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.67	3.3	mg/kg	497.02
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.67	3.3	mg/kg	497.02
06301	Xylene (Total)	1330-20-7	20.	0.67	3.3	mg/kg	497.02

\*=This limit was used in the evaluation of the final result

AR102446

Lancaster Laboratories Sample No. SW 4588212

05-MET-109S Grab Soil Sample

N(1.5-2.0)

Former Metro Container Investigation

Collected: 08/19/2005 08:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:20

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

M109S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	1.3	6.7	mg/kg	497.02
07586	Acrolein	107-02-8	N.D.	13.	67.	mg/kg	497.02
07587	Acrylonitrile	107-13-1	N.D.	2.7	13.	mg/kg	497.02

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:37		1
06925	Thallium	SW-846 6010B	1	08/23/2005 22:40		1
06935	Arsenic	SW-846 6010B	1	08/23/2005 22:40		1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:40		1
06944	Antimony	SW-846 6010B	1	08/23/2005 22:40		1
06947	Beryllium	SW-846 6010B	1	08/23/2005 22:40		1
06949	Cadmium	SW-846 6010B	1	08/23/2005 22:40		1
06951	Chromium	SW-846 6010B	1	08/23/2005 22:40		1
06953	Copper	SW-846 6010B	1	08/23/2005 22:40		1
06955	Lead	SW-846 6010B	1	08/23/2005 22:40		1

\*=This limit was used in the evaluation of the final result

AR102447

Lancaster Laboratories Sample No. SW 4588212

05-MET-109S Grab Soil Sample

N(1.5-2.0)

Former Metro Container Investigation

Collected: 08/19/2005 08:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:20

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

## M109S

06961	Nickel	SW-846 6010B	1	08/23/2005 22:40		1
06966	Silver	SW-846 6010B	1	08/23/2005 22:40		1
06972	Zinc	SW-846 6010B	1	08/23/2005 22:40		1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:09		1
05912	Phenols	SW846 9066	1	08/29/2005 11:10		10
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 00:10		1000
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 07:54		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/29/2005 01:47		497.02
07584	PPL Volatiles	SW-846 8260B	1	08/29/2005 01:47		497.02
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/23/2005 13:35		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:40		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:46		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 12:46		n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588212  
 Sample wt/vol: 5.03 (g/mL) g      Lab File ID: HP07536.i/05aug29a.b/qg29s01.d  
 Level: (low/med) MED      Date Received: 08/19/05  
 % Moisture: not dec. 26      Date Analyzed: 08/29/05  
 Column: (pack/cap) CAP      Dilution Factor: 497.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown aromatic	12.93	4.3	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102449

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588212  
 Sample wt/vol: 10 (g/mL) g Lab File ID: eh0813.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 26 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	7.278	120	J
2.	!4,4'-Dichlorobenzophenone	8.416	74	JX
3.	!Unknown Alkane	8.971	42	J
4.	!Unknown Alkane	9.062	51	J
5.	!Unknown Alkane	9.367	50	J
6.	!Unknown Alkane	9.548	110	J
7.	!Unknown Alkane	9.650	59	J
8.	!Unknown Alkane	9.826	93	J
9.	!Unknown Alkane	9.917	68	J
10.	!Unknown	9.997	52	J
11.	!Unknown Alkane	10.099	100	J
12.	!Unknown Alkane	10.189	100	J
13.	!Unknown Alkane	10.237	51	J
14.	!Unknown Alkane	10.371	74	J
15.	!Unknown Alkane	10.456	71	J
16.	!Unknown Alkane	10.633	58	J
17.	!Unknown	10.782	58	J
18.	!Unknown Alkane	10.895	52	J
19.	!Unknown Alkane	11.060	91	J
20.	!Unknown Alkane	11.151	29	J
21.	!Unknown	11.231	42	J
22.	!Unknown	11.274	37	J
23.	!Unknown Alkane	11.343	38	J
24.	!Unknown	11.749	35	J
25.	!Unknown	11.840	30	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102450

**Lancaster Laboratories Sample No. SW 4588213**
**05-MET-109 Grab Soil Sample**
**N(5.75-6.25)**
**Former Metro Container Investigation**

Collected: 08/19/2005 09:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:21

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

ME109

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.791	0.0033	0.126	mg/kg	1
06925	Thallium	7440-28-0	3.29	1.24	2.59	mg/kg	1
06935	Arsenic	7440-38-2	29.5	0.867	2.59	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.24	2.59	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.06	2.59	mg/kg	1
06947	Beryllium	7440-41-7	0.509 J	0.0556	0.647	mg/kg	1
06949	Cadmium	7440-43-9	6.09	0.111	0.647	mg/kg	1
06951	Chromium	7440-47-3	60.0	0.686	1.94	mg/kg	1
06953	Copper	7440-50-8	61.6	0.388	1.29	mg/kg	1
06955	Lead	7439-92-1	383.	1.01	2.59	mg/kg	1
06961	Nickel	7440-02-0	9.92	0.427	1.29	mg/kg	1
06966	Silver	7440-22-4	0.789	0.246	0.647	mg/kg	1
06972	Zinc	7440-66-6	636.	0.595	2.59	mg/kg	1
00111	Moisture	n.a.	25.7	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.65	mg/kg	1
05912	Phenols	n.a.	6.7	1.6	4.7	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.229	1.12	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.229	1.12	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.229	1.12	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.444	2.29	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	2.29	2.29	mg/kg	1000
01223	Endrin	72-20-8	N.D.	0.444	2.29	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	2.29	11.2	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.229	1.12	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.229	1.12	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.283	1.12	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.229	1.12	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	2.29	2.29	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	0.444	2.29	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	5.38	22.9	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	14.8	44.4	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.229	1.12	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	0.444	2.29	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.444	2.29	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	0.444	2.29	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR102451

**Lancaster Laboratories Sample No. SW 4588213**
**05-MET-109 Grab Soil Sample**
**N(5.75-6.25)**
**Former Metro Container Investigation**

Collected: 08/19/2005 09:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:21

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

ME109

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	9.96	22.9	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	4.44	22.9	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	6.46	22.9	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	4.04	22.9	mg/kg	1000
01997	PCB-1248	12672-29-6	N.D.	14.8	44.4	mg/kg	1000
01998	PCB-1254	11097-69-1	21.9 J	4.44	22.9	mg/kg	1000
01999	PCB-1260	11096-82-5	29.7 J	14.8	44.4	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, and dieldrin.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	34.	170.	mg/kg	10
01185	Phenol	108-95-2	N.D.	11.	56.	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	11.	56.	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	11.	56.	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	11.	56.	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	11.	56.	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	22.	56.	mg/kg	10
01191	Acenaphthene	83-32-9	N.D.	11.	56.	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	56.	170.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	22.	56.	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	56.	170.	mg/kg	10
01195	Pyrene	129-00-0	420.	11.	56.	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	23. J	11.	56.	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	11.	56.	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	34.	56.	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	11.	56.	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	11.	56.	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	220.	670.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	56.	170.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	22.	56.	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	11.	56.	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	11.	56.	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	29. J	11.	56.	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102452

Lancaster Laboratories Sample No. SW 4588213

05-MET-109 Grab Soil Sample

N(5.75-6.25)

Former Metro Container Investigation

Collected: 08/19/2005 09:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:21

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

ME109

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	11.	56.	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	11.	56.	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	11.	56.	mg/kg	10
03759	Isophorone	78-59-1	N.D.	11.	56.	mg/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	11.	56.	mg/kg	10
03761	Naphthalene	91-20-3	32. J	11.	56.	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	22.	56.	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	56.	170.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	11.	56.	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	11.	56.	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	22.	56.	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	11.	56.	mg/kg	10
03768	Fluorene	86-73-7	N.D.	11.	56.	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	11.	56.	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	22.	56.	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	11.	56.	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	11.	56.	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	11.	56.	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	11.	56.	mg/kg	10
03775	Phenanthrene	85-01-8	150.	11.	56.	mg/kg	10
03776	Anthracene	120-12-7	32. J	11.	56.	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	22.	56.	mg/kg	10
03778	Fluoranthene	206-44-0	59.	11.	56.	mg/kg	10
03779	Benzidine	92-87-5	N.D.	220.	670.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	22.	56.	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	340.	11.	56.	mg/kg	10
03782	Chrysene	218-01-9	630.	11.	56.	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	34.	110.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	22.	110.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	22.	56.	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	140.	11.	56.	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	27. J	11.	56.	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	290.	11.	56.	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	57.	11.	56.	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	110.	11.	56.	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	150.	11.	56.	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile

\*=This limit was used in the evaluation of the final result



Lancaster Laboratories Sample No. SW 4588213

05-MET-109 Grab Soil Sample

N(5.75-6.25)

Former Metro Container Investigation

Collected: 08/19/2005 09:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:21

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

ME109

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	compounds were raised.						
	Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.						
	Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.						
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.58	2.9	mg/kg	429.55
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.29	2.9	mg/kg	429.55
02020	t-Butyl alcohol	75-65-0	N.D.	12.	58.	mg/kg	429.55
05444	Chloromethane	74-87-3	N.D.	1.2	2.9	mg/kg	429.55
05445	Vinyl Chloride	75-01-4	1.2 J	0.58	2.9	mg/kg	429.55
05446	Bromomethane	74-83-9	N.D.	1.2	2.9	mg/kg	429.55
05447	Chloroethane	75-00-3	N.D.	1.2	2.9	mg/kg	429.55
05448	Trichlorofluoromethane	75-69-4	N.D.	1.2	2.9	mg/kg	429.55
05449	1,1-Dichloroethene	75-35-4	N.D.	0.58	2.9	mg/kg	429.55
05450	Methylene Chloride	75-09-2	N.D.	1.2	2.9	mg/kg	429.55
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.58	2.9	mg/kg	429.55
05452	1,1-Dichloroethane	75-34-3	0.65 J	0.58	2.9	mg/kg	429.55
05454	cis-1,2-Dichloroethene	156-59-2	9.0	0.58	2.9	mg/kg	429.55
05455	Chloroform	67-66-3	N.D.	0.58	2.9	mg/kg	429.55
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.58	2.9	mg/kg	429.55
05458	Carbon Tetrachloride	56-23-5	N.D.	0.58	2.9	mg/kg	429.55
05460	Benzene	71-43-2	0.79 J	0.29	2.9	mg/kg	429.55
05461	1,2-Dichloroethane	107-06-2	N.D.	0.58	2.9	mg/kg	429.55
05462	Trichloroethene	79-01-6	1.3 J	0.58	2.9	mg/kg	429.55
05463	1,2-Dichloropropane	78-87-5	N.D.	0.58	2.9	mg/kg	429.55
05465	Bromodichloromethane	75-27-4	N.D.	0.58	2.9	mg/kg	429.55
05466	Toluene	108-88-3	160.	1.2	5.8	mg/kg	859.11
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.58	2.9	mg/kg	429.55
05468	Tetrachloroethene	127-18-4	0.75 J	0.58	2.9	mg/kg	429.55
05470	Dibromochloromethane	124-48-1	N.D.	0.58	2.9	mg/kg	429.55
05472	Chlorobenzene	108-90-7	2.9	0.58	2.9	mg/kg	429.55
05474	Ethylbenzene	100-41-4	21.	0.58	2.9	mg/kg	429.55
05478	Bromoform	75-25-2	N.D.	0.58	2.9	mg/kg	429.55

\*=This limit was used in the evaluation of the final result

AR102454

Lancaster Laboratories Sample No. SW 4588213

05-MET-109 Grab Soil Sample

N(5.75-6.25)

Former Metro Container Investigation

Collected: 08/19/2005 09:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:21

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

ME109

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.58	2.9	mg/kg	429.55
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.58	2.9	mg/kg	429.55
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.58	2.9	mg/kg	429.55
06301	Xylene (Total)	1330-20-7	85.	0.58	2.9	mg/kg	429.55
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	1.2	5.8	mg/kg	429.55
07586	Acrolein	107-02-8	N.D.	12.	58.	mg/kg	429.55
07587	Acrylonitrile	107-13-1	N.D.	2.3	12.	mg/kg	429.55

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised. The reporting limits were further raised due to sample foaming.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:39		1
06925	Thallium	SW-846 6010B	1	08/23/2005 22:45		1
06935	Arsenic	SW-846 6010B	1	08/23/2005 22:45		1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:45		1
06944	Antimony	SW-846 6010B	1	08/23/2005 22:45		1

\*=This limit was used in the evaluation of the final result

AR102455

Lancaster Laboratories Sample No. SW 4588213

05-MET-109 Grab Soil Sample

N(5.75-6.25)

Former Metro Container Investigation

Collected: 08/19/2005 09:40

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:21

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

ME109

06947	Beryllium	SW-846 6010B	1	08/23/2005 22:45		1
06949	Cadmium	SW-846 6010B	1	08/23/2005 22:45		1
06951	Chromium	SW-846 6010B	1	08/23/2005 22:45		1
06953	Copper	SW-846 6010B	1	08/23/2005 22:45		1
06955	Lead	SW-846 6010B	1	08/23/2005 22:45		1
06961	Nickel	SW-846 6010B	1	08/23/2005 22:45		1
06966	Silver	SW-846 6010B	1	08/23/2005 22:45		1
06972	Zinc	SW-846 6010B	1	08/23/2005 22:45		1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:31		1
05912	Phenols	SW846 9066	1	08/29/2005 11:25		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 00:30		1000
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 08:15		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/29/2005 02:10		429.55
07584	PPL Volatiles	SW-846 8260B	1	08/29/2005 02:10		429.55
07584	PPL Volatiles	SW-846 8260B	1	08/29/2005 07:41		859.11
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/23/2005 13:35		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:41		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:47		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 12:47		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588213  
 Sample wt/vol: 5.82 (g/mL) g      Lab File ID: HP07536.i/05aug29a.b/qg29s02.d  
 Level: (low/med) MED      Date Received: 08/19/05  
 % Moisture: not dec. 26      Date Analyzed: 08/29/05  
 Column: (pack/cap) CAP      Dilution Factor: 429.6  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown aromatic	12.58	7.1	J
2.	Unknown aromatic	12.59	3.9	J
3.	Unknown aromatic	12.64	4.0	J
4.	Unknown aromatic	12.93	9.4	J
5.	Unknown aromatic	13.49	7.7	J
6. 91-20-3	Naphthalene	14.75	5.4	J
7.				
8.				
9.				
10.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102457

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588213  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0814.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 26 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 25000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	7.283	970	J
2.	!Unknown Alkane	7.652	1100	J
3.	!Unknown Alkane	8.004	1500	J
4.	!Unknown Alkane	8.341	1500	J
5.	!Unknown	8.496	750	J
6.	!Unknown Alkane	8.662	1300	J
7.	!Unknown	8.939	250	J
8.	!Unknown Alkane	8.971	410	J
9.	!Phenanthrene, 1-methyl-7-(1-	9.132	1200	JX
10.	!Unknown Alkane	9.265	270	J
11.	!Unknown Alkane	9.548	310	J
12.	!Unknown	9.596	260	J
13.	!Pyrene, 1,3-dimethyl-	9.650	250	JX
14.	!Unknown Alkane	9.826	350	J
15.	!Unknown	9.997	270	J
16.	!Unknown Alkane	10.099	270	J
17.	!Chrysene, 6-methyl-	10.195	520	JX
18.	!Benz[a]anthracene, 8-methyl-	10.232	220	JX
19.	!Unknown	10.270	220	J
20.	!Unknown Alkane	10.366	240	J
21.	!Benzo[c]phenanthrene, 5,8-di	10.569	330	JX
22.	!Unknown Alkane	10.627	740	J
23.	!Unknown Alkane	10.889	540	J
24.	!Perylene	10.943	700	JX
25.	!Unknown Alkane	11.146	550	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102458

**Lancaster Laboratories Sample No. SW 4588214**
**05-MET-020 Grab Soil Sample**
**N(2.5-3.0)**
**Former Metro Container Investigation**

Collected: 08/19/2005 10:20

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:22

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET20

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0683 J	0.0032	0.120	mg/kg	1
06925	Thallium	7440-28-0	2.07 J	1.19	2.48	mg/kg	1
06935	Arsenic	7440-38-2	6.83	0.829	2.48	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.19	2.48	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.01	2.48	mg/kg	1
06947	Beryllium	7440-41-7	0.446 J	0.0532	0.619	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.106	0.619	mg/kg	1
06951	Chromium	7440-47-3	9.31	0.656	1.86	mg/kg	1
06953	Copper	7440-50-8	17.8	0.371	1.24	mg/kg	1
06955	Lead	7439-92-1	41.9	0.965	2.48	mg/kg	1
06961	Nickel	7440-02-0	17.1	0.408	1.24	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.235	0.619	mg/kg	1
06972	Zinc	7440-66-6	66.5	0.569	2.48	mg/kg	1
00111	Moisture	n.a.	22.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	4.5 J	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0109	0.0534	mg/kg	50
01219	Heptachlor	76-44-8	N.D.	0.0109	0.0534	mg/kg	50
01220	Aldrin	309-00-2	N.D.	0.0109	0.0534	mg/kg	50
01221	p,p-DDT	50-29-3	N.D.	0.0212	0.109	mg/kg	50
01222	Dieldrin	60-57-1	N.D.	0.0212	0.109	mg/kg	50
01223	Endrin	72-20-8	N.D.	0.0212	0.109	mg/kg	50
01859	Methoxychlor	72-43-5	N.D.	0.109	0.534	mg/kg	50
01981	Alpha BHC	319-84-6	N.D.	0.0109	0.0534	mg/kg	50
01982	Beta BHC	319-85-7	N.D.	0.0109	0.0534	mg/kg	50
01983	Delta BHC	319-86-8	N.D.	0.0135	0.0534	mg/kg	50
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0109	0.0534	mg/kg	50
01985	p,p-DDE	72-55-9	N.D.	0.0212	0.109	mg/kg	50
01986	p,p-DDD	72-54-8	N.D.	0.0212	0.109	mg/kg	50
01987	Chlordane	57-74-9	N.D.	0.257	1.09	mg/kg	50
01988	Toxaphene	8001-35-2	N.D.	0.708	2.12	mg/kg	50
01989	Endosulfan I	959-98-8	N.D.	0.0109	0.0534	mg/kg	50
01990	Endosulfan II	33213-65-9	N.D.	0.0212	0.109	mg/kg	50
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0212	0.109	mg/kg	50
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0212	0.109	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR102459

**Lancaster Laboratories Sample No. SW 4588214**
**05-MET-020 Grab Soil Sample**
**N(2.5-3.0)**
**Former Metro Container Investigation**

Collected: 08/19/2005 10:20

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:22

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET20

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.476	1.09	mg/kg	50
01994	PCB-1221	11104-28-2	N.D.	0.212	1.09	mg/kg	50
01995	PCB-1232	11141-16-5	N.D.	0.309	1.09	mg/kg	50
01996	PCB-1242	53469-21-9	N.D.	0.193	1.09	mg/kg	50
01997	PCB-1248	12672-29-6	N.D.	0.708	2.12	mg/kg	50
01998	PCB-1254	11097-69-1	N.D.	0.212	1.09	mg/kg	50
01999	PCB-1260	11096-82-5	N.D.	0.708	2.12	mg/kg	50

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	2.6	8.6	mg/kg	10
01185	Phenol	108-95-2	N.D.	0.86	4.3	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	0.86	4.3	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.86	4.3	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.86	4.3	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.86	4.3	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	1.7	4.3	mg/kg	10
01191	Acenaphthene	83-32-9	3.6 J	0.86	4.3	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	4.3	13.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	1.7	4.3	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	4.3	13.	mg/kg	10
01195	Pyrene	129-00-0	23.	0.86	4.3	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	N.D.	0.86	4.3	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	0.86	4.3	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	2.6	4.3	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.86	4.3	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.86	4.3	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	17.	51.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	4.3	13.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	1.7	4.3	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.86	4.3	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.86	4.3	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.86	4.3	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.86	4.3	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	0.86	4.3	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	0.86	4.3	mg/kg	10
03759	Isophorone	78-59-1	N.D.	0.86	4.3	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102460

**Lancaster Laboratories Sample No. SW 4588214**
**05-MET-020 Grab Soil Sample**
**N(2.5-3.0)**
**Former Metro Container Investigation**

Collected: 08/19/2005 10:20

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:22

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET20

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.86	4.3	mg/kg	10
03761	Naphthalene	91-20-3	1.3 J	0.86	4.3	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	1.7	4.3	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	4.3	13.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	0.86	4.3	mg/kg	10
03765	Acenaphthylene	208-96-8	N.D.	0.86	4.3	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	1.7	4.3	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.86	4.3	mg/kg	10
03768	Fluorene	86-73-7	3.4 J	0.86	4.3	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.86	4.3	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	1.7	4.3	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.86	4.3	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	7.5	0.86	4.3	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.86	4.3	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	0.86	4.3	mg/kg	10
03775	Phenanthrene	85-01-8	1.6 J	0.86	4.3	mg/kg	10
03776	Anthracene	120-12-7	7.7	0.86	4.3	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	1.7	4.3	mg/kg	10
03778	Fluoranthene	206-44-0	3.8 J	0.86	4.3	mg/kg	10
03779	Benzidine	92-87-5	N.D.	17.	51.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	1.7	4.3	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	22.	0.86	4.3	mg/kg	10
03782	Chrysene	218-01-9	25.	0.86	4.3	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.6	8.6	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.7	8.6	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	1.7	4.3	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	16.	0.86	4.3	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.86	4.3	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	35.	0.86	4.3	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	20.	0.86	4.3	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	25.	0.86	4.3	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	43.	0.86	4.3	mg/kg	10

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR102461



Lancaster Laboratories Sample No. SW 4588214

05-MET-020 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/19/2005 10:20

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:22

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET20

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.042	0.21	mg/kg	32.43
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.021	0.21	mg/kg	32.43
02020	t-Butyl alcohol	75-65-0	N.D.	0.83	4.2	mg/kg	32.43
05444	Chloromethane	74-87-3	N.D.	0.083	0.21	mg/kg	32.43
05445	Vinyl Chloride	75-01-4	N.D.	0.042	0.21	mg/kg	32.43
05446	Bromomethane	74-83-9	N.D.	0.083	0.21	mg/kg	32.43
05447	Chloroethane	75-00-3	N.D.	0.083	0.21	mg/kg	32.43
05448	Trichlorofluoromethane	75-69-4	N.D.	0.083	0.21	mg/kg	32.43
05449	1,1-Dichloroethene	75-35-4	N.D.	0.042	0.21	mg/kg	32.43
05450	Methylene Chloride	75-09-2	N.D.	0.083	0.21	mg/kg	32.43
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.042	0.21	mg/kg	32.43
05452	1,1-Dichloroethane	75-34-3	N.D.	0.042	0.21	mg/kg	32.43
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.042	0.21	mg/kg	32.43
05455	Chloroform	67-66-3	N.D.	0.042	0.21	mg/kg	32.43
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.042	0.21	mg/kg	32.43
05458	Carbon Tetrachloride	56-23-5	N.D.	0.042	0.21	mg/kg	32.43
05460	Benzene	71-43-2	0.10 J	0.021	0.21	mg/kg	32.43
05461	1,2-Dichloroethane	107-06-2	N.D.	0.042	0.21	mg/kg	32.43
05462	Trichloroethene	79-01-6	N.D.	0.042	0.21	mg/kg	32.43
05463	1,2-Dichloropropane	78-87-5	N.D.	0.042	0.21	mg/kg	32.43
05465	Bromodichloromethane	75-27-4	N.D.	0.042	0.21	mg/kg	32.43
05466	Toluene	108-88-3	0.25	0.042	0.21	mg/kg	32.43
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.042	0.21	mg/kg	32.43
05468	Tetrachloroethene	127-18-4	N.D.	0.042	0.21	mg/kg	32.43
05470	Dibromochloromethane	124-48-1	N.D.	0.042	0.21	mg/kg	32.43
05472	Chlorobenzene	108-90-7	N.D.	0.042	0.21	mg/kg	32.43
05474	Ethylbenzene	100-41-4	0.16 J	0.042	0.21	mg/kg	32.43
05478	Bromoform	75-25-2	N.D.	0.042	0.21	mg/kg	32.43
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.042	0.21	mg/kg	32.43
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.042	0.21	mg/kg	32.43
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.042	0.21	mg/kg	32.43
06301	Xylene (Total)	1330-20-7	0.83	0.042	0.21	mg/kg	32.43

\*=This limit was used in the evaluation of the final result

AR102462

Lancaster Laboratories Sample No. SW 4588214

05-MET-020 Grab Soil Sample

N(2.5-3.0)

Former Metro Container Investigation

Collected: 08/19/2005 10:20

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:22

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET20

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.083	0.42	mg/kg	32.43
07586	Acrolein	107-02-8	N.D.	0.83	4.2	mg/kg	32.43
07587	Acrylonitrile	107-13-1	N.D.	0.17	0.83	mg/kg	32.43

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:41		1
06925	Thallium	SW-846 6010B	1	08/23/2005 22:59		1
06935	Arsenic	SW-846 6010B	1	08/23/2005 22:59		1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:49		1
06944	Antimony	SW-846 6010B	1	08/23/2005 22:59		1
06947	Beryllium	SW-846 6010B	1	08/23/2005 22:59		1
06949	Cadmium	SW-846 6010B	1	08/23/2005 22:59		1
06951	Chromium	SW-846 6010B	1	08/23/2005 22:59		1
06953	Copper	SW-846 6010B	1	08/23/2005 22:59		1
06955	Lead	SW-846 6010B	1	08/23/2005 22:59		1

\*=This limit was used in the evaluation of the final result

AR102463

**Lancaster Laboratories Sample No. SW 4588214**

**05-MET-020 Grab Soil Sample**

**N(2.5-3.0)**

**Former Metro Container Investigation**

Collected: 08/19/2005 10:20

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:22

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

## MET20

06961	Nickel	SW-846 6010B	1	08/23/2005 22:59		1
06966	Silver	SW-846 6010B	1	08/23/2005 22:59		1
06972	Zinc	SW-846 6010B	1	08/23/2005 22:59		1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:11		1
05912	Phenols	SW846 9066	1	08/29/2005 11:26		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 00:51		50
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 15:33		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/27/2005 04:52		32.43
07584	PPL Volatiles	SW-846 8260B	1	08/27/2005 04:52		32.43
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/23/2005 13:35		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 11:43		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:48		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 12:48		n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588214  
 Sample wt/vol: 7.71 (g/mL) g      Lab File ID: HP07536.i/05aug26b.b/qg26s42.d  
 Level: (low/med) MED      Date Received: 08/19/05  
 % Moisture: not dec. 22      Date Analyzed: 08/27/05  
 Column: (pack/cap) CAP      Dilution Factor: 32.4  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	10.42	1.6	J
2.	!Unknown alkane	11.99	1.5	J
3.	!Unknown alicyclic	12.10	1.7	J
4.	!Unknown alicyclic	12.63	.95	J
5.	!Unknown alicyclic	13.10	1.3	J
6.	!Unknown aromatic	13.79	2.0	J
7.	!Unknown aromatic	14.21	.99	J
8.	!Unknown aromatic	14.52	2.3	J
9.	!Unknown aromatic	14.61	3.3	J
10.	!Unknown aromatic	14.73	1.3	J
11.	!Unknown aromatic	14.82	1.7	J
12.	!Unknown aromatic	14.87	1.5	J
13.	!Unknown aromatic	15.11	1.1	J
14.	!Unknown aromatic	15.25	1.6	J
15.	!Unknown aromatic	15.36	1.2	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102465

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588214  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0831.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 22 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Cycloalkane	5.787	48	J
2.	!Unknown	6.637	47	J
3.	!Unknown	6.963	75	J
4.	!Unknown Alkane	7.054	41	J
5.	!Unknown Cycloalkane	7.134	22	J
6.	!Unknown Alkane	7.273	19	J
7.	!Unknown	7.791	20	J
8.	!Unknown	8.101	28	J
9.	!Unknown	8.191	23	J
10.	!Unknown Cycloalkane	8.362	20	J
11.	!Phenanthrene, 2,3-dimethyl-	8.549	36	JX
12.	!Unknown	8.592	34	J
13.	!Unknown	8.694	28	J
14.	!Unknown	8.817	31	J
15.	!3-Eicosene, (E)-	9.137	19	JX
16.	!Pyrene, 4-methyl-	9.281	16	JX
17.	!o-Terphenyl	9.468	19	JX
18.	!Unknown	9.687	17	J
19.	!Unknown	9.960	18	J
20.	!Unknown	10.067	17	J
21.	!Triphenylene, 2-methyl-	10.184	22	JX
22.	!Chrysene, 5-ethyl-	10.473	61	JX
23.	!Benzo[c]phenanthrene, 5,8-di	10.542	95	JX
24.	!1,2:4,5-Dibenzopyrene	10.772	140	JX
25.	!Unknown	11.108	61	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102466

Lancaster Laboratories Sample No. SW 4588215

05-MET-008 Grab Soil Sample

N(11.5-12.0)

Former Metro Container Investigation

Collected: 08/19/2005 11:00

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:23

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0031	0.116	mg/kg	1
06925	Thallium	7440-28-0	1.86 J	1.07	2.24	mg/kg	1
06935	Arsenic	7440-38-2	2.07 J	0.750	2.24	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.07	2.24	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.918	2.24	mg/kg	1
06947	Beryllium	7440-41-7	0.376 J	0.0481	0.560	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0963	0.560	mg/kg	1
06951	Chromium	7440-47-3	23.9	0.593	1.68	mg/kg	1
06953	Copper	7440-50-8	5.91	0.336	1.12	mg/kg	1
06955	Lead	7439-92-1	5.04	0.873	2.24	mg/kg	1
06961	Nickel	7440-02-0	13.9	0.369	1.12	mg/kg	1
06966	Silver	7440-22-4	0.266 J	0.213	0.560	mg/kg	1
06972	Zinc	7440-66-6	20.8	0.515	2.24	mg/kg	1
00111	Moisture	n.a.	14.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.20	0.57	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000198	0.000966	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000198	0.000966	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000198	0.000966	mg/kg	1
01221	p,p-DDT	50-29-3	0.000710 J	0.000384	0.00198	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000384	0.00198	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000384	0.00198	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00198	0.00966	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000198	0.000966	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000198	0.000966	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000244	0.000966	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000198	0.000966	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000384	0.00198	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000384	0.00198	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00466	0.0198	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0128	0.0384	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000198	0.000966	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000384	0.00198	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000384	0.00198	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000384	0.00198	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102467

**Lancaster Laboratories Sample No. SW 4588215**
**05-MET-008 Grab Soil Sample**
**N(11.5-12.0)**
**Former Metro Container Investigation**

Collected: 08/19/2005 11:00

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:23

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00861	0.0198	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00384	0.0198	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00559	0.0198	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00349	0.0198	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0128	0.0384	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.0198	0.0198	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0128	0.0384	mg/kg	1

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for arochlor-1254 .

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.39	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.039	0.19	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.039	0.19	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.039	0.19	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.039	0.19	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.039	0.19	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.078	0.19	mg/kg	1
01191	Acenaphthene	83-32-9	0.39	0.039	0.19	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.19	0.58	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.078	0.19	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.19	0.58	mg/kg	1
01195	Pyrene	129-00-0	2.4	0.039	0.19	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.87	0.039	0.19	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.039	0.19	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.19	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.039	0.19	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.039	0.19	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.78	2.3	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.19	0.58	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.078	0.19	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.039	0.19	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.039	0.19	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.039	0.19	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.039	0.19	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.039	0.19	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.039	0.19	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.039	0.19	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102468

**Lancaster Laboratories Sample No. SW 4588215**
**05-MET-008 Grab Soil Sample**
**N(11.5-12.0)**
**Former Metro Container Investigation**

Collected: 08/19/2005 11:00

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:23

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.039	0.19	mg/kg	1
03761	Naphthalene	91-20-3	0.068 J	0.039	0.19	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.078	0.19	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.19	0.58	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.039	0.19	mg/kg	1
03765	Acenaphthylene	208-96-8	0.085 J	0.039	0.19	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.078	0.19	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.039	0.19	mg/kg	1
03768	Fluorene	86-73-7	0.44	0.039	0.19	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.039	0.19	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.078	0.19	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.039	0.19	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	1.4	0.039	0.19	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.039	0.19	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.039	0.19	mg/kg	1
03775	Phenanthrene	85-01-8	2.4	0.039	0.19	mg/kg	1
03776	Anthracene	120-12-7	1.8	0.039	0.19	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.078	0.19	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.039	0.19	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.78	2.3	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.078	0.19	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	1.6	0.039	0.19	mg/kg	1
03782	Chrysene	218-01-9	1.6	0.039	0.19	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.39	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.078	0.39	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.078	0.19	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.24	0.039	0.19	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.087 J	0.039	0.19	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.50	0.039	0.19	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.12 J	0.039	0.19	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.20	0.039	0.19	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.27	0.039	0.19	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.0009	0.005	mg/kg	0.79
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR102469



Lancaster Laboratories Sample No. SW 4588215

05-MET-008 Grab Soil Sample

N(11.5-12.0)

Former Metro Container Investigation

Collected: 08/19/2005 11:00

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:23

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.79
02020	t-Butyl alcohol	75-65-0	N.D.	0.018	0.092	mg/kg	0.79
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.79
05445	Vinyl Chloride	75-01-4	N.D.	0.0009	0.005	mg/kg	0.79
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.79
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.79
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.79
05449	1,1-Dichloroethene	75-35-4	N.D.	0.0009	0.005	mg/kg	0.79
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.005	mg/kg	0.79
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0009	0.005	mg/kg	0.79
05452	1,1-Dichloroethane	75-34-3	N.D.	0.0009	0.005	mg/kg	0.79
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0009	0.005	mg/kg	0.79
05455	Chloroform	67-66-3	N.D.	0.0009	0.005	mg/kg	0.79
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.0009	0.005	mg/kg	0.79
05458	Carbon Tetrachloride	56-23-5	N.D.	0.0009	0.005	mg/kg	0.79
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	0.79
05461	1,2-Dichloroethane	107-06-2	N.D.	0.0009	0.005	mg/kg	0.79
05462	Trichloroethene	79-01-6	N.D.	0.0009	0.005	mg/kg	0.79
05463	1,2-Dichloropropane	78-87-5	N.D.	0.0009	0.005	mg/kg	0.79
05465	Bromodichloromethane	75-27-4	N.D.	0.0009	0.005	mg/kg	0.79
05466	Toluene	108-88-3	N.D.	0.0009	0.005	mg/kg	0.79
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.0009	0.005	mg/kg	0.79
05468	Tetrachloroethene	127-18-4	N.D.	0.0009	0.005	mg/kg	0.79
05470	Dibromochloromethane	124-48-1	N.D.	0.0009	0.005	mg/kg	0.79
05472	Chlorobenzene	108-90-7	N.D.	0.0009	0.005	mg/kg	0.79
05474	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	mg/kg	0.79
05478	Bromoform	75-25-2	N.D.	0.0009	0.005	mg/kg	0.79
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.0009	0.005	mg/kg	0.79
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0009	0.005	mg/kg	0.79
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0009	0.005	mg/kg	0.79
06301	Xylene (Total)	1330-20-7	0.010	0.0009	0.005	mg/kg	0.79
07586	Acrolein	107-02-8	N.D.	0.018	0.092	mg/kg	0.79
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.018	mg/kg	0.79

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102470

Lancaster Laboratories Sample No. SW 4588215

05-MET-008 Grab Soil Sample

N(11.5-12.0)

Former Metro Container Investigation

Collected: 08/19/2005 11:00

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:23

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:42		1
06925	Thallium	SW-846 6010B	1	08/23/2005 23:04		1
06935	Arsenic	SW-846 6010B	1	08/23/2005 23:04		1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:53		1
06944	Antimony	SW-846 6010B	1	08/23/2005 23:04		1
06947	Beryllium	SW-846 6010B	1	08/23/2005 23:04		1
06949	Cadmium	SW-846 6010B	1	08/23/2005 23:04		1
06951	Chromium	SW-846 6010B	1	08/23/2005 23:04		1
06953	Copper	SW-846 6010B	1	08/23/2005 23:04		1
06955	Lead	SW-846 6010B	1	08/23/2005 23:04		1
06961	Nickel	SW-846 6010B	1	08/23/2005 23:04		1
06966	Silver	SW-846 6010B	1	08/23/2005 23:04		1
06972	Zinc	SW-846 6010B	1	08/23/2005 23:04		1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:15		1
05912	Phenols	SW846 9066	1	08/29/2005 11:14		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 01:32		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 15:53		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 23:35		0.79
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 23:35		0.79
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40		1

\*=This limit was used in the evaluation of the final result

AR102471

**Lancaster Laboratories Sample No. SW 4588215****05-MET-008 Grab Soil Sample****N(11.5-12.0)****Former Metro Container Investigation**

Collected: 08/19/2005 11:00

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:23

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

**MET08**

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/23/2005 13:35		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 12:21		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:49		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 12:49		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4588215  
 Sample wt/vol: 6.34 (g/mL) g Lab File ID: HP09193.i/05aug25b.b/xg25s43.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: not dec. 14 Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	1.2	J
2.	Unknown alkane	11.82	0.44	J
3.	Unknown alicyclic	11.93	0.50	J
4.	Unknown alkane	12.10	0.43	J
5.	Unknown alicyclic	12.46	0.57	J
6.	Unknown alkane	12.69	0.43	J
7.	Unknown aromatic	12.76	0.50	J
8.	Unknown alicyclic	12.93	0.66	J
9.	Unknown aliphatic	13.33	0.59	J
10.	Unknown aromatic	13.47	0.77	J
11.	Unknown aromatic	13.53	0.51	J
12.	Unknown aromatic	13.62	0.61	J
13.	Unknown alicyclic	13.77	0.44	J
14.	Unknown aromatic	14.15	0.95	J
15.	Unknown aromatic	14.45	0.59	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102473

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588215  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0832.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 14 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.646	16	JAB
2.	Unknown Cycloalkane	5.793	2.3	J
3.	Unknown	6.028	1.9	J
4.	Naphthalene, 2,3-dimethyl-	6.188	2.3	JX
5.	Unknown Cycloalkane	6.268	3.4	J
6.	Unknown Cycloalkane	6.717	2.8	J
7.	Unknown	6.808	2.1	J
8.	Unknown	6.968	3.9	J
9.	Unknown Alkane	7.059	3.7	J
10.	Unknown	7.139	2.4	J
11.	Unknown Alkane	7.283	3.0	J
12.	Unknown	7.369	2.2	J
13.	4,4'-Dimethylbiphenyl	7.395	2.2	JX
14.	Unknown Alkane	7.428	2.3	J
15.	Unknown	7.566	2.5	J
16.	Unknown Alkane	7.663	3.2	J
17.	Unknown	7.801	2.4	J
18.	Unknown Alkane	7.956	2.8	J
19.	Unknown	8.111	1.9	J
20.	Anthracene, 2-methyl-	8.127	2.5	JX
21.	1H-Indene, 2-phenyl-	8.207	2.8	JX
22.	Unknown Alkane	8.378	1.9	J
23.	Unknown	8.464	2.0	J
24.	Phenanthrene, 2,5-dimethyl-	8.571	2.8	JX
25.	Unknown Alkane	8.597	3.2	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102474

Lancaster Laboratories Sample No. SW 4588216

05-MET-008V Grab Soil Sample

N(14-14.5)

Former Metro Container Investigation

Collected: 08/19/2005 11:30

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET8V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0052 J	0.0031	0.116	mg/kg	1
06925	Thallium	7440-28-0	1.76 J	1.12	2.33	mg/kg	1
06935	Arsenic	7440-38-2	4.73	0.779	2.33	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.12	2.33	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.953	2.33	mg/kg	1
06947	Beryllium	7440-41-7	0.749	0.0500	0.581	mg/kg	1
06949	Cadmium	7440-43-9	0.293 J	0.100	0.581	mg/kg	1
06951	Chromium	7440-47-3	30.2	0.616	1.74	mg/kg	1
06953	Copper	7440-50-8	7.41	0.349	1.16	mg/kg	1
06955	Lead	7439-92-1	4.68	0.907	2.33	mg/kg	1
06961	Nickel	7440-02-0	12.9	0.384	1.16	mg/kg	1
06966	Silver	7440-22-4	0.294 J	0.221	0.581	mg/kg	1
06972	Zinc	7440-66-6	24.7	0.535	2.33	mg/kg	1
00111	Moisture	n.a.	17.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.58	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000206	0.00100	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000206	0.00100	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000206	0.00100	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000399	0.00206	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000399	0.00206	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000399	0.00206	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00206	0.0100	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000206	0.00100	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000206	0.00100	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000254	0.00100	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000206	0.00100	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000399	0.00206	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000399	0.00206	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00484	0.0206	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0133	0.0399	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000206	0.00100	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000399	0.00206	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000399	0.00206	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000399	0.00206	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102475

Lancaster Laboratories Sample No. SW 4588216

05-MET-008V Grab Soil Sample

N(14-14.5)

Former Metro Container Investigation

Collected: 08/19/2005 11:30

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:24

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

MET8V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00895	0.0206	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00399	0.0206	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00580	0.0206	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00363	0.0206	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0133	0.0399	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00399	0.0206	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0133	0.0399	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.40	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.040	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.040	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.040	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.040	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.040	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.081	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.040	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.60	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.081	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.60	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.040	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.040	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.040	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.040	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.040	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.81	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.60	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.081	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.040	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.040	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.040	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.040	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.040	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.040	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.040	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.040	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.040	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.081	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.60	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102476

**Lancaster Laboratories Sample No. SW 4588216**
**05-MET-008V Grab Soil Sample**
**N(14-14.5)**
**Former Metro Container Investigation**

Collected: 08/19/2005 11:30

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET8V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.040	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.040	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.081	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.040	0.20	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.040	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.040	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.081	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.040	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.040	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.040	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.040	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.040	0.20	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.040	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.081	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.040	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.81	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.081	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.040	0.20	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.040	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.40	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.081	0.40	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.081	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.040	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.040	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.040	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.040	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.040	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.040	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.91
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.91
02020	t-Butyl alcohol	75-65-0	N.D.	0.022	0.11	mg/kg	0.91
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.91

\*=This limit was used in the evaluation of the final result

AR102477



Lancaster Laboratories Sample No. SW 4588216

05-MET-008V Grab Soil Sample

N(14-14.5)

Former Metro Container Investigation

Collected: 08/19/2005 11:30

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET8V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.91
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.91
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.91
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.91
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.91
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.91
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.91
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.91
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.91
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.91
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.91
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.91
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.91
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.91
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.91
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.91
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.91
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.91
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.91
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.91
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.91
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.91
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.91
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.91
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.91
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.91
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.91
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.91
07586	Acrolein	107-02-8	N.D.	0.022	0.11	mg/kg	0.91
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.022	mg/kg	0.91

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102478

Lancaster Laboratories Sample No. SW 4588216

05-MET-008V Grab Soil Sample

N(14-14.5)

Former Metro Container Investigation

Collected: 08/19/2005 11:30

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET8V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:43		1
06925	Thallium	SW-846 6010B	1	08/23/2005 23:09		1
06935	Arsenic	SW-846 6010B	1	08/23/2005 23:09		1
06936	Selenium	SW-846 6010B	1	08/25/2005 17:57		1
06944	Antimony	SW-846 6010B	1	08/23/2005 23:09		1
06947	Beryllium	SW-846 6010B	1	08/23/2005 23:09		1
06949	Cadmium	SW-846 6010B	2	08/25/2005 17:57		1
06951	Chromium	SW-846 6010B	1	08/23/2005 23:09		1
06953	Copper	SW-846 6010B	1	08/23/2005 23:09		1
06955	Lead	SW-846 6010B	1	08/23/2005 23:09		1
06961	Nickel	SW-846 6010B	1	08/23/2005 23:09		1
06966	Silver	SW-846 6010B	1	08/23/2005 23:09		1
06972	Zinc	SW-846 6010B	1	08/23/2005 23:09		1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:16		1
05912	Phenols	SW846 9066	1	08/29/2005 11:15		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 01:53		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 16:14		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 21:42		0.91
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 21:42		0.91
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/23/2005 13:35		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 12:23		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:50		n.a.

\*=This limit was used in the evaluation of the final result

AR102479

Lancaster Laboratories Sample No. SW 4588216

05-MET-008V Grab Soil Sample

N(14-14.5)

Former Metro Container Investigation

Collected: 08/19/2005 11:30

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET8V

08389 GC/MS - LL Encore Prep

SW-846 5035

2 08/20/2005 12:50

n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4588216	SDG No.: _____
Sample wt/vol: 5.48 (g/mL) g	Lab File ID: HP09193.i/05aug25b.b/xg25s41.d	
Level: (low/med) LOW	Date Received: 08/19/05	
% Moisture: not dec. 17	Date Analyzed: 08/25/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 7446-09-5	Sulfur dioxide	2.07	0.006	J
2.	Unknown siloxane	12.26	0.006	J B
3.				
4.				
5.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102481

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588216  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0833.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 17 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 15 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.646	18	JAB
2.10544-50-0	Cyclic octaatomic sulfur	8.699	.19	J
3.	Unknown	10.563	.22	J
4.	Unknown	11.049	.24	J
5.	Unknown Alkane	11.114	.16	J
6.	Unknown	11.279	.30	J
7.	Unknown	11.306	.36	J
8.	Unknown	11.386	.20	J
9.	Unknown	11.520	.28	J
10.	Unknown	11.701	.17	J
11.	Unknown	11.910	.19	J
12.	Unknown	11.974	.17	J
13.	Unknown	12.225	.23	J
14.	Unknown	12.540	.17	J
15.	Unknown	12.625	.17	J
16.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102482

Lancaster Laboratories Sample No. SW 4588217

05-MET-001 Grab Soil Sample

N(5.5-6.0)

Former Metro Container Investigation

Collected: 08/19/2005 11:55

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	3.47	0.0168	0.629	mg/kg	5
06925	Thallium	7440-28-0	4.90	1.21	2.52	mg/kg	1
06935	Arsenic	7440-38-2	13.0	0.844	2.52	mg/kg	1
06936	Selenium	7782-49-2	2.95	1.21	2.52	mg/kg	1
06944	Antimony	7440-36-0	4.53	1.03	2.52	mg/kg	1
06947	Beryllium	7440-41-7	0.339 J	0.0542	0.630	mg/kg	1
06949	Cadmium	7440-43-9	46.4	0.108	0.630	mg/kg	1
06951	Chromium	7440-47-3	516.	0.668	1.89	mg/kg	1
06953	Copper	7440-50-8	244.	0.378	1.26	mg/kg	1
06955	Lead	7439-92-1	1,350.	0.983	2.52	mg/kg	1
06961	Nickel	7440-02-0	228.	0.416	1.26	mg/kg	1
06966	Silver	7440-22-4	2.07	0.239	0.630	mg/kg	1
06972	Zinc	7440-66-6	394.	0.580	2.52	mg/kg	1
00111	Moisture	n.a.	23.7	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.23 J	0.23	0.64	mg/kg	1
05912	Phenols	n.a.	8.0	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.223	1.09	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.223	1.09	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.223	1.09	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.433	2.23	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	2.23	2.23	mg/kg	1000
01223	Endrin	72-20-8	N.D.	0.433	2.23	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	2.23	10.9	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.223	1.09	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.223	1.09	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.275	1.09	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	1.09	1.09	mg/kg	1000
01985	p,p-DDE	72-55-9	N.D.	11.8	11.8	mg/kg	1000
01986	p,p-DDD	72-54-8	N.D.	2.36	2.36	mg/kg	1000
01987	Chlordane	57-74-9	27.1	5.24	22.3	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	14.4	43.3	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.223	1.09	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	0.433	2.23	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.433	2.23	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	2.23	2.23	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR102483

Lancaster Laboratories Sample No. SW 4588217

05-MET-001 Grab Soil Sample

N(5.5-6.0)

Former Metro Container Investigation

Collected: 08/19/2005 11:55

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	9.70	22.3	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	4.33	22.3	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	6.29	22.3	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	3.93	22.3	mg/kg	1000
01997	PCB-1248	12672-29-6	52.4	14.4	43.3	mg/kg	1000
01998	PCB-1254	11097-69-1	31.0	4.33	22.3	mg/kg	1000
01999	PCB-1260	11096-82-5	32.4 J	14.4	43.3	mg/kg	1000

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for heptachlor epoxide, 4,4'-DDE, dieldrin, 4,4'-DDD, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.39	1.3	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.13	0.66	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.13	0.66	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	1.1	0.13	0.66	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.13	0.66	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	4.3	0.13	0.66	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.26	0.66	mg/kg	1
01191	Acenaphthene	83-32-9	0.74	0.13	0.66	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.66	2.0	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.26	0.66	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.66	2.0	mg/kg	1
01195	Pyrene	129-00-0	3.1	0.13	0.66	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	4.3	0.13	0.66	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.13	0.66	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	2.9	0.39	0.66	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.13	0.66	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.13	0.66	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	2.6	7.9	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.66	2.0	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.26	0.66	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.13	0.66	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	9.9	0.13	0.66	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	1.5	0.13	0.66	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.13	0.66	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102484

Lancaster Laboratories Sample No. SW 4588217

05-MET-001 Grab Soil Sample

N(5.5-6.0)

Former Metro Container Investigation

Collected: 08/19/2005 11:55

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.13	0.66	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.13	0.66	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.13	0.66	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.13	0.66	mg/kg	1
03761	Naphthalene	91-20-3	6.0	0.13	0.66	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.26	0.66	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.66	2.0	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.13	0.66	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.13	0.66	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.26	0.66	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.13	0.66	mg/kg	1
03768	Fluorene	86-73-7	1.7	0.13	0.66	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.13	0.66	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.26	0.66	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.13	0.66	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.13	0.66	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.13	0.66	mg/kg	1
03774	Hexachlorobenzene	118-74-1	0.55 J	0.13	0.66	mg/kg	1
03775	Phenanthrene	85-01-8	4.7	0.13	0.66	mg/kg	1
03776	Anthracene	120-12-7	3.8	0.13	0.66	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	1.1	0.26	0.66	mg/kg	1
03778	Fluoranthene	206-44-0	2.0	0.13	0.66	mg/kg	1
03779	Benzidine	92-87-5	N.D.	2.6	7.9	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	1.6	0.26	0.66	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.87	0.13	0.66	mg/kg	1
03782	Chrysene	218-01-9	1.8	0.13	0.66	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.39	1.3	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	93.	2.6	13.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	1.8	0.26	0.66	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.71	0.13	0.66	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.30 J	0.13	0.66	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.51 J	0.13	0.66	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.29 J	0.13	0.66	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.22 J	0.13	0.66	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.41 J	0.13	0.66	mg/kg	1

The GC/MS semivolatile internal standard peak areas were outside of the QC limits for both the initial injection and the re-injection. The values here are from the initial injection of the sample.

\*=This limit was used in the evaluation of the final result

AR102485



**Lancaster Laboratories Sample No. SW 4588217**
**05-MET-001 Grab Soil Sample**
**N(5.5-6.0)**
**Former Metro Container Investigation**

Collected: 08/19/2005 11:55

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.043	0.21	mg/kg	32.43
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.021	0.21	mg/kg	32.43
02020	t-Butyl alcohol	75-65-0	N.D.	0.85	4.3	mg/kg	32.43
05444	Chloromethane	74-87-3	N.D.	0.085	0.21	mg/kg	32.43
05445	Vinyl Chloride	75-01-4	N.D.	0.043	0.21	mg/kg	32.43
05446	Bromomethane	74-83-9	N.D.	0.085	0.21	mg/kg	32.43
05447	Chloroethane	75-00-3	N.D.	0.085	0.21	mg/kg	32.43
05448	Trichlorofluoromethane	75-69-4	N.D.	0.085	0.21	mg/kg	32.43
05449	1,1-Dichloroethene	75-35-4	N.D.	0.043	0.21	mg/kg	32.43
05450	Methylene Chloride	75-09-2	N.D.	0.085	0.21	mg/kg	32.43
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.043	0.21	mg/kg	32.43
05452	1,1-Dichloroethane	75-34-3	N.D.	0.043	0.21	mg/kg	32.43
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.043	0.21	mg/kg	32.43
05455	Chloroform	67-66-3	N.D.	0.043	0.21	mg/kg	32.43
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.043	0.21	mg/kg	32.43
05458	Carbon Tetrachloride	56-23-5	N.D.	0.043	0.21	mg/kg	32.43
05460	Benzene	71-43-2	0.81	0.021	0.21	mg/kg	32.43
05461	1,2-Dichloroethane	107-06-2	N.D.	0.043	0.21	mg/kg	32.43
05462	Trichloroethene	79-01-6	N.D.	0.043	0.21	mg/kg	32.43
05463	1,2-Dichloropropane	78-87-5	N.D.	0.043	0.21	mg/kg	32.43
05465	Bromodichloromethane	75-27-4	N.D.	0.043	0.21	mg/kg	32.43
05466	Toluene	108-88-3	6.8	0.043	0.21	mg/kg	32.43
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.043	0.21	mg/kg	32.43
05468	Tetrachloroethene	127-18-4	N.D.	0.043	0.21	mg/kg	32.43
05470	Dibromochloromethane	124-48-1	N.D.	0.043	0.21	mg/kg	32.43
05472	Chlorobenzene	108-90-7	0.12	0.043	0.21	mg/kg	32.43
05474	Ethylbenzene	100-41-4	19.	0.42	2.1	mg/kg	324.25
05478	Bromoform	75-25-2	N.D.	0.043	0.21	mg/kg	32.43
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.043	0.21	mg/kg	32.43
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.043	0.21	mg/kg	32.43
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.043	0.21	mg/kg	32.43
06301	Xylene (Total)	1330-20-7	120.	0.42	2.1	mg/kg	324.25

\*=This limit was used in the evaluation of the final result

AR102486

Lancaster Laboratories Sample No. SW 4588217

05-MET-001 Grab Soil Sample

N(5.5-6.0)

Former Metro Container Investigation

Collected: 08/19/2005 11:55

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.085	0.43	mg/kg	32.43
07586	Acrolein	107-02-8	N.D.	0.85	4.3	mg/kg	32.43
07587	Acrylonitrile	107-13-1	N.D.	0.17	0.85	mg/kg	32.43

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

The percent recovery for bromomethane was outside QC limits high in the LCS associated with this sample. The percent recovery for bromodichloromethane was also outside QC limits high in the LCSD. Since the recoveries were high and these compounds were not detected in the sample, no further action was taken.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:59		5
06925	Thallium	SW-846 6010B	1	08/23/2005 23:14		1
06935	Arsenic	SW-846 6010B	1	08/23/2005 23:14		1
06936	Selenium	SW-846 6010B	1	08/25/2005 18:02		1

\*=This limit was used in the evaluation of the final result

AR102487

Lancaster Laboratories Sample No. SW 4588217

05-MET-001 Grab Soil Sample

N(5.5-6.0)

Former Metro Container Investigation

Collected: 08/19/2005 11:55

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:24

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET01

06944	Antimony	SW-846 6010B	1	08/23/2005 23:14		1
06947	Beryllium	SW-846 6010B	1	08/23/2005 23:14		1
06949	Cadmium	SW-846 6010B	1	08/23/2005 23:14		1
06951	Chromium	SW-846 6010B	1	08/23/2005 23:14		1
06953	Copper	SW-846 6010B	1	08/23/2005 23:14		1
06955	Lead	SW-846 6010B	1	08/23/2005 23:14		1
06961	Nickel	SW-846 6010B	1	08/23/2005 23:14		1
06966	Silver	SW-846 6010B	1	08/23/2005 23:14		1
06972	Zinc	SW-846 6010B	1	08/23/2005 23:14		1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:17		1
05912	Phenols	SW846 9066	1	08/29/2005 11:28		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 02:34		1000
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 10:23		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 16:35		10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/29/2005 07:18		32.43
07584	PPL Volatiles	SW-846 8260B	1	08/29/2005 07:18		32.43
07584	PPL Volatiles	SW-846 8260B	1	08/29/2005 11:29		324.25
00381	BNA Soil Extraction	SW-846 3550B	2	08/27/2005 11:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/23/2005 13:35		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 12:25		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:51		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 12:51		n.a.

\*=This limit was used in the evaluation of the final result

AR102488

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4588217  
 Sample wt/vol: 7.71 (g/mL) g Lab File ID: HP07536.i/05aug29a.b/qg29s10.d  
 Level: (low/med) MED Date Received: 08/19/05  
 % Moisture: not dec. 24 Date Analyzed: 08/29/05  
 Column: (pack/cap) CAP Dilution Factor: 32.4  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aliphatic	8.71	1.6	J
2.	!Unknown alicyclic	10.29	0.74	J
3.	!Unknown alicyclic	10.86	0.95	J
4.	!Unknown aromatic	12.20	1.1	J
5.	!Unknown aromatic	12.52	0.80	J
6.	!Unknown aromatic	12.58	3.2	J
7.	!Unknown aromatic	12.64	2.8	J
8.	!Unknown aromatic	12.80	1.3	J
9.	!Unknown aromatic	12.93	5.1	J
10.	!Unknown aromatic	13.11	0.72	J
11.	!Unknown aromatic	13.24	2.5	J
12.	!Unknown aromatic	13.39	1.0	J
13.	!Unknown aromatic	13.42	1.1	J
14.	!Unknown aromatic	13.64	0.51	J
15.	!Unknown aromatic	13.69	0.60	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102489

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588217  
 Sample wt/vol: 10 (g/mL) g Lab File ID: oh0977.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 24 Decanted: (Y/N)                      Date Extracted: 08/27/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Benzene, 1-ethyl-2-methyl-	3.957	8.2	JX
2.	Unknown Alkane	6.367	12	J
3.	Naphthalene, 1,6-dimethyl-	6.521	9.6	JX
4.	Unknown	7.025	7.1	J
5.	Unknown Alkane	7.627	11	J
6.	Unknown Alkane	7.996	11	J
7.	Unknown Alkane	8.359	13	J
8.	4,4'-Dichlorobenzophenone	8.820	12	JX
9.1000197-14-14b,8-Dimethyl-2-isopropylphe		8.906	19	J
10.	Unknown Alkane	11.058	24	J
11.	Unknown Alkane	11.151	15	J
12.	Unknown	11.218	7.0	J
13.	Unknown Alkane	11.237	9.3	J
14.	Unknown Alkane	11.347	8.7	J
15.	Unknown	11.390	13	J
16.	Unknown Alkane	11.440	6.9	J
17.	Unknown	11.464	6.1	J
18.	Unknown	11.587	7.1	J
19.	Unknown	11.649	8.6	J
20.	Unknown	11.919	12	J
21.	Unknown Alkane	12.153	7.0	J
22.	Unknown	12.208	15	J
23.	Unknown	12.571	15	J
24.	Unknown	12.663	9.9	J
25.	Unknown	13.106	7.1	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102490

**Lancaster Laboratories Sample No. G5 4588218**
**TB081905STrip Blank Methanol Sample  
TB  
Former Metro Container Investigation**

Collected: 08/19/2005

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 08/30/2005 at 21:25  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB-5S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	mg/kg	50
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	50
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.0	mg/kg	50
05444	Chloromethane	74-87-3	N.D.	0.10	0.25	mg/kg	50
05445	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	mg/kg	50
05446	Bromomethane	74-83-9	N.D.	0.10	0.25	mg/kg	50
05447	Chloroethane	75-00-3	N.D.	0.10	0.25	mg/kg	50
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	mg/kg	50
05449	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	mg/kg	50
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.25	mg/kg	50
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	mg/kg	50
05452	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	mg/kg	50
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	mg/kg	50
05455	Chloroform	67-66-3	N.D.	0.050	0.25	mg/kg	50
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	mg/kg	50
05458	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	mg/kg	50
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	mg/kg	50
05462	Trichloroethene	79-01-6	N.D.	0.050	0.25	mg/kg	50
05463	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	mg/kg	50
05465	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	mg/kg	50
05466	Toluene	108-88-3	N.D.	0.050	0.25	mg/kg	50
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	mg/kg	50
05468	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	mg/kg	50
05470	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	mg/kg	50
05472	Chlorobenzene	108-90-7	N.D.	0.050	0.25	mg/kg	50
05474	Ethylbenzene	100-41-4	N.D.	0.050	0.25	mg/kg	50
05478	Bromoform	75-25-2	N.D.	0.050	0.25	mg/kg	50
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	mg/kg	50
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	mg/kg	50
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	mg/kg	50
06301	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	mg/kg	50
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.50	mg/kg	50
07586	Acrolein	107-02-8	N.D.	1.0	5.0	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR102491

Lancaster Laboratories Sample No. G5 4588218

TB081905STrip Blank Methanol Sample  
TB  
Former Metro Container Investigation

Collected: 08/19/2005

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 08/30/2005 at 21:25  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB-5S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	50
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 02:56		50
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 02:56		50
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 12:38		1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4588218	SDG No.: _____
Sample wt/vol: 5.0 (g/mL) g	Lab File ID: HP07536.i/05aug24b.b/qg24s54.d	
Level: (low/med) MED	Date Received: 08/19/05	
% Moisture: not dec.	Date Analyzed: 08/25/05	
Column: (pack/cap) CAP	Dilution Factor: 50.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102493



**Lancaster Laboratories Sample No. SW 4588219**
**05-MET-034V Grab Soil Sample**
**N(22.5-23)**
**Former Metro Container Investigation**

Collected: 08/18/2005 14:30

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:25

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

ME34V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0033	0.125	mg/kg	1
06925	Thallium	7440-28-0	9.39	1.22	2.55	mg/kg	1
06935	Arsenic	7440-38-2	N.D.	0.853	2.55	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.22	2.55	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.04	2.55	mg/kg	1
06947	Beryllium	7440-41-7	0.154 J	0.0548	0.637	mg/kg	1
06949	Cadmium	7440-43-9	0.458 J	0.110	0.637	mg/kg	1
06951	Chromium	7440-47-3	249.	0.675	1.91	mg/kg	1
06953	Copper	7440-50-8	1.87	0.382	1.27	mg/kg	1
06955	Lead	7439-92-1	2.06 J	0.993	2.55	mg/kg	1
06961	Nickel	7440-02-0	34.1	0.420	1.27	mg/kg	1
06966	Silver	7440-22-4	1.83	0.242	0.637	mg/kg	1
06972	Zinc	7440-66-6	13.2	0.586	2.55	mg/kg	1
00111	Moisture	n.a.	24.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.65	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00113	0.00550	mg/kg	5
01219	Heptachlor	76-44-8	N.D.	0.00113	0.00550	mg/kg	5
01220	Aldrin	309-00-2	N.D.	0.00113	0.00550	mg/kg	5
01221	p,p-DDT	50-29-3	N.D.	0.00219	0.0113	mg/kg	5
01222	Dieldrin	60-57-1	N.D.	0.00219	0.0113	mg/kg	5
01223	Endrin	72-20-8	N.D.	0.00219	0.0113	mg/kg	5
01859	Methoxychlor	72-43-5	N.D.	0.0113	0.0550	mg/kg	5
01981	Alpha BHC	319-84-6	N.D.	0.00113	0.00550	mg/kg	5
01982	Beta BHC	319-85-7	N.D.	0.00113	0.00550	mg/kg	5
01983	Delta BHC	319-86-8	N.D.	0.00139	0.00550	mg/kg	5
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00113	0.00550	mg/kg	5
01985	p,p-DDE	72-55-9	N.D.	0.00219	0.0113	mg/kg	5
01986	p,p-DDD	72-54-8	N.D.	0.00219	0.0113	mg/kg	5
01987	Chlordane	57-74-9	N.D.	0.0265	0.113	mg/kg	5
01988	Toxaphene	8001-35-2	N.D.	0.0728	0.219	mg/kg	5
01989	Endosulfan I	959-98-8	N.D.	0.00113	0.00550	mg/kg	5
01990	Endosulfan II	33213-65-9	N.D.	0.00219	0.0113	mg/kg	5
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00219	0.0113	mg/kg	5
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00219	0.0113	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102494

**Lancaster Laboratories Sample No. SW 4588219**
**05-MET-034V Grab Soil Sample**
**N(22.5-23)**
**Former Metro Container Investigation**

Collected: 08/18/2005 14:30

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:25

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

ME34V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0490	0.113	mg/kg	5
01994	PCB-1221	11104-28-2	N.D.	0.0219	0.113	mg/kg	5
01995	PCB-1232	11141-16-5	N.D.	0.0318	0.113	mg/kg	5
01996	PCB-1242	53469-21-9	N.D.	0.0199	0.113	mg/kg	5
01997	PCB-1248	12672-29-6	N.D.	0.0728	0.219	mg/kg	5
01998	PCB-1254	11097-69-1	N.D.	0.0219	0.113	mg/kg	5
01999	PCB-1260	11096-82-5	N.D.	0.0728	0.219	mg/kg	5

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.44	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.044	0.22	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.044	0.22	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.044	0.22	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.044	0.22	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.044	0.22	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.088	0.22	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.044	0.22	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.22	0.66	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.088	0.22	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.22	0.66	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.044	0.22	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.044	0.22	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.044	0.22	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.22	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.044	0.22	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.044	0.22	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.88	2.6	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.22	0.66	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.088	0.22	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.044	0.22	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.044	0.22	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.044	0.22	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.044	0.22	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.044	0.22	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.044	0.22	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.044	0.22	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.044	0.22	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.044	0.22	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102495

**Lancaster Laboratories Sample No. SW 4588219**
**05-MET-034V Grab Soil Sample**
**N(22.5-23)**
**Former Metro Container Investigation**

Collected: 08/18/2005 14:30

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:25

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

ME34V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.088	0.22	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.22	0.66	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.044	0.22	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.044	0.22	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.088	0.22	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.044	0.22	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.044	0.22	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.044	0.22	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.088	0.22	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.044	0.22	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.044	0.22	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.044	0.22	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.044	0.22	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.044	0.22	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.044	0.22	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.088	0.22	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.044	0.22	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.88	2.6	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.088	0.22	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.044	0.22	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.044	0.22	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.44	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.088	0.44	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.088	0.22	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.044	0.22	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.044	0.22	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.044	0.22	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.044	0.22	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.044	0.22	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.044	0.22	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.96
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.96

\*=This limit was used in the evaluation of the final result

AR102496

Lancaster Laboratories Sample No. SW 4588219

05-MET-034V Grab Soil Sample

N(22.5-23)

Former Metro Container Investigation

Collected: 08/18/2005 14:30

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:25

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

ME34V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.025	0.13	mg/kg	0.96
05444	Chloromethane	74-87-3	N.D.	0.003	0.006	mg/kg	0.96
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.96
05446	Bromomethane	74-83-9	N.D.	0.003	0.006	mg/kg	0.96
05447	Chloroethane	75-00-3	N.D.	0.003	0.006	mg/kg	0.96
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.006	mg/kg	0.96
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.96
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.006	mg/kg	0.96
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.96
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.96
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.96
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.96
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.96
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.96
05460	Benzene	71-43-2	0.0009 J	0.0006	0.006	mg/kg	0.96
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.96
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.96
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.96
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.96
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.96
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.96
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.96
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.96
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.96
05474	Ethylbenzene	100-41-4	0.001 J	0.001	0.006	mg/kg	0.96
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.96
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.96
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.96
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.96
06301	Xylene (Total)	1330-20-7	0.002 J	0.001	0.006	mg/kg	0.96
07586	Acrolein	107-02-8	N.D.	0.025	0.13	mg/kg	0.96
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.025	mg/kg	0.96

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4588219

05-MET-034V Grab Soil Sample

N(22.5-23)

Former Metro Container Investigation

Collected: 08/18/2005 14:30

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:25

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

ME34V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:46		1
06925	Thallium	SW-846 6010B	1	08/23/2005 23:19		1
06935	Arsenic	SW-846 6010B	1	08/23/2005 23:19		1
06936	Selenium	SW-846 6010B	1	08/25/2005 18:06		1
06944	Antimony	SW-846 6010B	1	08/23/2005 23:19		1
06947	Beryllium	SW-846 6010B	1	08/23/2005 23:19		1
06949	Cadmium	SW-846 6010B	2	08/25/2005 18:06		1
06951	Chromium	SW-846 6010B	1	08/23/2005 23:19		1
06953	Copper	SW-846 6010B	1	08/23/2005 23:19		1
06955	Lead	SW-846 6010B	1	08/23/2005 23:19		1
06961	Nickel	SW-846 6010B	1	08/23/2005 23:19		1
06966	Silver	SW-846 6010B	1	08/23/2005 23:19		1
06972	Zinc	SW-846 6010B	1	08/23/2005 23:19		1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06		1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:18		1
05912	Phenols	SW846 9066	1	08/29/2005 11:20		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 21:17		5
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 16:56		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 22:05		0.96
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 22:05		0.96
00381	BNA Soil Extraction	SW-846 3550B	1	08/22/2005 19:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/22/2005 02:05		1

\*=This limit was used in the evaluation of the final result

AR102498

**Lancaster Laboratories Sample No. SW 4588219****05-MET-034V Grab Soil Sample****N(22.5-23)****Former Metro Container Investigation**

Collected: 08/18/2005 14:30 [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:25

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

**ME34V**

06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 12:29	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 12:52	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 12:52	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588219  
 Sample wt/vol: 5.19 (g/mL) g      Lab File ID: HP09193.i/05aug25b.b/xg25s42.d  
 Level: (low/med) LOW      Date Received: 08/19/05  
 % Moisture: not dec. 24      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 7446-09-5	Sulfur dioxide	2.09	0.007	J
2.	Unknown siloxane	12.26	0.012	J B
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102500

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588219  
 Sample wt/vol: 30 (g/mL) g Lab File ID: eh0835.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 24 Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.652	19	JAB
2.	Unknown	10.569	2.0	J
3.	Unknown Alkane	10.601	2.0	J
4.	Unknown	10.724	1.4	J
5.	Unknown	10.756	3.7	J
6.	Unknown	10.820	1.1	J
7.	Unknown	10.863	4.9	J
8.	Unknown	10.911	1.1	J
9.	Unknown	10.927	3.4	J
10.	Unknown	11.076	2.1	J
11.	Unknown	11.103	1.1	J
12.	Unknown	11.119	2.0	J
13.	Unknown	11.162	1.1	J
14.	Unknown	11.226	5.1	J
15.	Unknown	11.290	3.1	J
16.	Unknown	11.402	.91	J
17.	Unknown	11.456	1.8	J
18.	Unknown	11.493	1.6	J
19.	Unknown	11.584	1.1	J
20.	Unknown	11.664	1.2	J
21.	Unknown	11.867	2.2	J
22.	Unknown	11.894	1.5	J
23.	Unknown	11.936	.88	J
24.	Unknown	12.086	2.0	J
25.	Unknown	12.182	3.0	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102501



**Lancaster Laboratories Sample No. SW 4588220**
**05-MET-027 Grab Soil Sample**
**N(19-19.5)**
**Former Metro Container Investigation**

Collected: 08/18/2005 15:55

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:26

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET27

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0032	0.120	mg/kg	1
06925	Thallium	7440-28-0	2.96	1.15	2.39	mg/kg	1
06935	Arsenic	7440-38-2	N.D.	0.800	2.39	mg/kg	1
06936	Selenium	7782-49-2	1.26 J	1.15	2.39	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.979	2.39	mg/kg	1
06947	Beryllium	7440-41-7	1.82	0.0514	0.597	mg/kg	1
06949	Cadmium	7440-43-9	0.523 J	0.103	0.597	mg/kg	1
06951	Chromium	7440-47-3	181.	0.633	1.79	mg/kg	1
06953	Copper	7440-50-8	41.5	0.358	1.19	mg/kg	1
06955	Lead	7439-92-1	2.48	0.932	2.39	mg/kg	1
06961	Nickel	7440-02-0	61.9	0.394	1.19	mg/kg	1
06966	Silver	7440-22-4	0.419 J	0.227	0.597	mg/kg	1
06972	Zinc	7440-66-6	43.9	0.549	2.39	mg/kg	1
00111	Moisture	n.a.	19.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00422	0.0206	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00422	0.0206	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00422	0.0206	mg/kg	20
01221	p,p-DDT	50-29-3	N.D.	0.00820	0.0422	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00820	0.0422	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00820	0.0422	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0422	0.206	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00422	0.0206	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00422	0.0206	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00522	0.0206	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00422	0.0206	mg/kg	20
01985	p,p-DDE	72-55-9	N.D.	0.00820	0.0422	mg/kg	20
01986	p,p-DDD	72-54-8	N.D.	0.00820	0.0422	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0994	0.422	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.273	0.820	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00422	0.0206	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00820	0.0422	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00820	0.0422	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00820	0.0422	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102502

Lancaster Laboratories Sample No. SW 4588220

05-MET-027 Grab Soil Sample  
N(19-19.5)  
Former Metro Container Investigation

Collected: 08/18/2005 15:55

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 08/30/2005 at 21:26  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET27

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.184	0.422	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0820	0.422	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.119	0.422	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0745	0.422	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.273	0.820	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0820	0.422	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.273	0.820	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.62	2.1	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.21	1.0	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.21	1.0	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.21	1.0	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.21	1.0	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.21	1.0	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.41	1.0	mg/kg	5
01191	Acenaphthene	83-32-9	1.9	0.21	1.0	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.0	3.1	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.41	1.0	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.0	3.1	mg/kg	5
01195	Pyrene	129-00-0	9.7	0.21	1.0	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	5.7	0.21	1.0	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.21	1.0	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.62	1.0	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.21	1.0	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.21	1.0	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.1	12.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.0	3.1	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.41	1.0	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.21	1.0	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.21	1.0	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.21	1.0	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.21	1.0	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.21	1.0	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.21	1.0	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.21	1.0	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102503

**Lancaster Laboratories Sample No. SW 4588220**
**05-MET-027 Grab Soil Sample**
**N(19-19.5)**
**Former Metro Container Investigation**

Collected: 08/18/2005 15:55

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:26

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET27

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.21	1.0	mg/kg	5
03761	Naphthalene	91-20-3	4.8	0.21	1.0	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.41	1.0	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.0	3.1	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.21	1.0	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.21	1.0	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.41	1.0	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.21	1.0	mg/kg	5
03768	Fluorene	86-73-7	1.0	0.21	1.0	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.21	1.0	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.41	1.0	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.21	1.0	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.21	1.0	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.21	1.0	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.21	1.0	mg/kg	5
03775	Phenanthrene	85-01-8	8.4	0.21	1.0	mg/kg	5
03776	Anthracene	120-12-7	4.0	0.21	1.0	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.41	1.0	mg/kg	5
03778	Fluoranthene	206-44-0	1.7	0.21	1.0	mg/kg	5
03779	Benzidine	92-87-5	N.D.	4.1	12.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.41	1.0	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	6.4	0.21	1.0	mg/kg	5
03782	Chrysene	218-01-9	7.6	0.21	1.0	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.62	2.1	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.41	2.1	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.41	1.0	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	1.4	0.21	1.0	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	0.64 J	0.21	1.0	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	3.1	0.21	1.0	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.45 J	0.21	1.0	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	1.0 J	0.21	1.0	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	0.99 J	0.21	1.0	mg/kg	5

Matrix QC was performed on this sample for the GCMS semivolatile analysis. Please see the attached QC summary report for compounds showing a matrix bias.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile

\*=This limit was used in the evaluation of the final result

AR102504

Lancaster Laboratories Sample No. SW 4588220

05-MET-027 Grab Soil Sample  
N(19-19.5)  
Former Metro Container Investigation

Collected: 08/18/2005 15:55

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 08/30/2005 at 21:26  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

MET27

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	compounds were raised.						
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.046	0.23	mg/kg	36.76
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.023	0.23	mg/kg	36.76
02020	t-Butyl alcohol	75-65-0	N.D.	0.91	4.6	mg/kg	36.76
05444	Chloromethane	74-87-3	N.D.	0.091	0.23	mg/kg	36.76
05445	Vinyl Chloride	75-01-4	N.D.	0.046	0.23	mg/kg	36.76
05446	Bromomethane	74-83-9	N.D.	0.091	0.23	mg/kg	36.76
05447	Chloroethane	75-00-3	N.D.	0.091	0.23	mg/kg	36.76
05448	Trichlorofluoromethane	75-69-4	N.D.	0.091	0.23	mg/kg	36.76
05449	1,1-Dichloroethene	75-35-4	N.D.	0.046	0.23	mg/kg	36.76
05450	Methylene Chloride	75-09-2	N.D.	0.091	0.23	mg/kg	36.76
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.046	0.23	mg/kg	36.76
05452	1,1-Dichloroethane	75-34-3	N.D.	0.046	0.23	mg/kg	36.76
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.046	0.23	mg/kg	36.76
05455	Chloroform	67-66-3	N.D.	0.046	0.23	mg/kg	36.76
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.046	0.23	mg/kg	36.76
05458	Carbon Tetrachloride	56-23-5	N.D.	0.046	0.23	mg/kg	36.76
05460	Benzene	71-43-2	N.D.	0.023	0.23	mg/kg	36.76
05461	1,2-Dichloroethane	107-06-2	N.D.	0.046	0.23	mg/kg	36.76
05462	Trichloroethene	79-01-6	N.D.	0.046	0.23	mg/kg	36.76
05463	1,2-Dichloropropane	78-87-5	N.D.	0.046	0.23	mg/kg	36.76
05465	Bromodichloromethane	75-27-4	N.D.	0.046	0.23	mg/kg	36.76
05466	Toluene	108-88-3	0.34	0.046	0.23	mg/kg	36.76
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.046	0.23	mg/kg	36.76
05468	Tetrachloroethene	127-18-4	N.D.	0.046	0.23	mg/kg	36.76
05470	Dibromochloromethane	124-48-1	N.D.	0.046	0.23	mg/kg	36.76
05472	Chlorobenzene	108-90-7	N.D.	0.046	0.23	mg/kg	36.76
05474	Ethylbenzene	100-41-4	1.6	0.046	0.23	mg/kg	36.76
05478	Bromoform	75-25-2	N.D.	0.046	0.23	mg/kg	36.76
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.046	0.23	mg/kg	36.76
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.046	0.23	mg/kg	36.76
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.046	0.23	mg/kg	36.76
06301	Xylene (Total)	1330-20-7	6.5	0.046	0.23	mg/kg	36.76
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.091	0.46	mg/kg	36.76
07586	Acrolein	107-02-8	N.D.	0.91	4.6	mg/kg	36.76

\*=This limit was used in the evaluation of the final result

AR102505

Lancaster Laboratories Sample No. SW 4588220

05-MET-027 Grab Soil Sample

N(19-19.5)

Former Metro Container Investigation

Collected: 08/18/2005 15:55

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:26

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

MET27

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.18	0.91	mg/kg	36.76

The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/23/2005 12:57		1
06925	Thallium	SW-846 6010B	1	08/23/2005 23:24		1
06935	Arsenic	SW-846 6010B	1	08/23/2005 23:24		1
06936	Selenium	SW-846 6010B	1	08/25/2005 18:10		1
06944	Antimony	SW-846 6010B	1	08/23/2005 23:24		1
06947	Beryllium	SW-846 6010B	1	08/23/2005 23:24		1
06949	Cadmium	SW-846 6010B	2	08/25/2005 18:10		1
06951	Chromium	SW-846 6010B	1	08/23/2005 23:24		1
06953	Copper	SW-846 6010B	1	08/23/2005 23:24		1
06955	Lead	SW-846 6010B	1	08/23/2005 23:24		1
06961	Nickel	SW-846 6010B	1	08/23/2005 23:24		1
06966	Silver	SW-846 6010B	1	08/23/2005 23:24		1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4588220

05-MET-027 Grab Soil Sample

N(19-19.5)

Former Metro Container Investigation

Collected: 08/18/2005 15:55

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 21:26

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

## MET27

06972	Zinc	SW-846 6010B	1	08/23/2005 23:24		1
00111	Moisture	EPA 160.3 modified	1	08/22/2005 16:06		1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 11:56		1
05912	Phenols	SW846 9066	1	08/29/2005 11:24		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/25/2005 21:37		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 09:18		5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 15:54		36.76
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 15:54		36.76
00381	BNA Soil Extraction	SW-846 3550B	2	08/27/2005 11:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 07:15		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/22/2005 02:05		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 12:31		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/20/2005 13:02		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/20/2005 13:02		n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588220  
 Sample wt/vol: 6.8 (g/mL) g      Lab File ID: HP07536.i/05aug25b.b/qg25s04.d  
 Level: (low/med) MED      Date Received: 08/19/05  
 % Moisture: not dec. 19      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 36.8  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.58	4.4	J
2.	!Unknown aromatic	12.80	3.3	J
3.	!Unknown aromatic	12.93	3.7	J
4.	!Unknown aromatic	13.39	4.0	J
5.	!Unknown aromatic	13.42	3.3	J
6.	!Unknown aromatic	13.79	3.4	J
7.	!Unknown aromatic	14.20	3.5	J
8.	!Unknown aromatic	14.31	8.8	J
9.	!Unknown aromatic	14.52	2.9	J
10.	!Unknown aromatic	14.62	5.2	J
11. 91-20-3	!Naphthalene	14.75	3.4	J
12.	!Unknown	14.89	3.1	J
13.	!Unknown aromatic	15.11	3.4	J
14.	!Unknown aromatic	15.25	3.0	J
15.	!Unknown aromatic	15.54	3.6	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102508

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588220  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0974.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: 19 Decanted: (Y/N)                      Date Extracted: 08/27/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.004	11	JAB
2.	Unknown Alkane	3.471	10	J
3.	Unknown	3.951	16	J
4.	Unknown	4.455	28	J
5.	Unknown	4.916	14	J
6.	Unknown Cycloalkane	5.076	55	J
7.	Naphthalene, 1,2,3,4-tetrahy	5.568	5.8	JX
8.	Unknown Cycloalkane	5.641	6.9	J
9.	Unknown Alkane	5.746	7.3	J
10.	Unknown	5.894	12	J
11.	Unknown Alkane	6.373	11	J
12.	Unknown	6.582	8.4	J
13.	Unknown	7.025	7.9	J
14.	Unknown Alkane	7.080	8.9	J
15.	Unknown Alkane	7.412	17	J
16.	Unknown	7.812	6.0	J
17.	Anthracene, 2-methyl-	8.550	6.8	JX
18.	Unknown	8.617	7.2	J
19.	Unknown Alkane	8.826	7.6	J
20.	Unknown	10.696	8.5	J
21.	Unknown	10.978	43	J
22.	Unknown	11.034	12	J
23.	Unknown	11.065	31	J
24.	Unknown	11.126	10	J
25.	Unknown	11.157	18	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102509



**Lancaster Laboratories Sample No. WW 4588221**
**EB081905S Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/19/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:27

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB-5S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0022	0.011	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.013	0.044	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0022	0.011	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0042	0.011	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0022	0.011	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0055	0.022	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0022	0.011	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0044	0.022	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0066	0.022	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0066	0.022	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.011	0.033	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0044	0.022	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.077	0.55	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.33	1.1	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0044	0.022	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0022	0.011	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0066	0.022	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.025	0.11	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.11	0.55	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.12	0.55	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.11	0.55	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.11	0.55	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102510

**Lancaster Laboratories Sample No. WW 4588221**
**EB081905S Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/19/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:27

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB-5S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.11	0.55	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.15	0.55	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.11	0.55	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.033	0.11	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	20.	59.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	15.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102511

**Lancaster Laboratories Sample No. WW 4588221**
**EB081905S Equipment Blank Grab Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/19/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:27

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB-5S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	20.	59.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
06371	Add'l Volatile Compounds						
05662	1,2-Dibromoethane	106-93-4	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102512

Lancaster Laboratories Sample No. WW 4588221

EB081905S Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/19/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:27

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB-5S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4588221

EB081905S Equipment Blank Grab Water Sample

EB

Former Metro Container Investigation

Collected: 08/19/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 21:27

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB-5S

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 08:40	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/23/2005 15:14	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/23/2005 05:46	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/23/2005 05:46	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/23/2005 05:46	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/23/2005 05:46	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/23/2005 05:46	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/23/2005 05:46	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/23/2005 05:46	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/23/2005 05:46	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/23/2005 05:46	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/23/2005 05:46	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 05:46	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/25/2005 15:07	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:30	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 07:22	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/26/2005 02:21	[REDACTED]	1
06371	Add'l Volatile Compounds	SW-846 8260B	1	08/23/2005 05:51	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 05:51	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/22/2005 17:15	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/22/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 05:51	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/22/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/24/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/23/2005 14:55	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102514

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4588221	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: SH08363.i/05aug22b.b/tg22s45.d	
Level: (low/med) LOW	Date Received: 08/19/05	
% Moisture: not dec.	Date Analyzed: 08/23/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102515

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4588221  
 Sample wt/vol: 1020 (g/mL) mL Lab File ID: oh0903.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: \_\_\_\_\_ Decanted: (Y/N) Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/26/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102516

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052320003A	Sample number(s): 4588204-4588210, 4588219-4588220								
Gamma BHC - Lindane	N.D.	0.17	0.83	ug/kg	103		74-133		
Heptachlor	N.D.	0.17	0.83	ug/kg	103		72-143		
Aldrin	N.D.	0.17	0.83	ug/kg	102		74-137		
p,p-DDT	N.D.	0.33	1.7	ug/kg	90		67-152		
Dieldrin	N.D.	0.33	1.7	ug/kg	107		71-133		
Endrin	N.D.	0.33	1.7	ug/kg	102		68-133		
Methoxychlor	N.D.	1.7	8.3	ug/kg	108		56-168		
Alpha BHC	N.D.	0.17	0.83	ug/kg	100		70-134		
Beta BHC	N.D.	0.17	0.83	ug/kg	109		68-137		
Delta BHC	N.D.	0.21	0.83	ug/kg	96		53-167		
Heptachlor Epoxide	N.D.	0.17	0.83	ug/kg	106		72-132		
p,p-DDE	N.D.	0.33	1.7	ug/kg	96		71-143		
p,p-DDD	N.D.	0.33	1.7	ug/kg	99		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.	33.	ug/kg					
Endosulfan I	N.D.	0.17	0.83	ug/kg	110		71-130		
Endosulfan II	N.D.	0.33	1.7	ug/kg	111		73-134		
Endosulfan Sulfate	N.D.	0.33	1.7	ug/kg	108		58-133		
Endrin Aldehyde	N.D.	0.33	1.7	ug/kg	107		47-145		
PCB-1016	N.D.	7.4	17.	ug/kg					
PCB-1221	N.D.	3.3	17.	ug/kg					
PCB-1232	N.D.	4.8	17.	ug/kg					
PCB-1242	N.D.	3.3	17.	ug/kg					
PCB-1248	N.D.	11.	33.	ug/kg					
PCB-1254	N.D.	3.3	17.	ug/kg					
PCB-1260	N.D.	11.	33.	ug/kg					
Batch number: 052340008A	Sample number(s): 4588221								
Alpha BHC	N.D.	0.0020	0.010	ug/l	110	110	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	110	110	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	110	110	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	100	100	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	99	100	45-130	1	20
Aldrin	N.D.	0.0050	0.020	ug/l	85	89	47-122	5	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	110	110	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	90	90	44-154	0	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	95	95	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	95	95	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	105	100	71-129	5	20
Endrin	N.D.	0.0040	0.020	ug/l	70	95	62-135	30*	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Endosulfan I	N.D.	0.0020	0.010	ug/l	110	100	66-131	10	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	100	100	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	110	100	36-158	9	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	98	99	49-155	1	20
Batch number: 052341848002 Sample number(s): 4588221									
Thallium	N.D.	0.0100	0.0200	mg/l	100		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	104		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	98		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	100		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	110		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	109		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	104		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	103		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	102		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	107		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	110		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	108		90-112		
Batch number: 05234820004A Sample number(s): 4588204-4588210									
Moisture					100		99-101		
Batch number: 05234820004B Sample number(s): 4588211-4588217,4588219-4588220									
Moisture					100		99-101		
Batch number: 05234SLA026 Sample number(s): 4588204-4588206,4588208-4588216,4588219									
1,4-Dioxane	N.D.	100.	500.	ug/kg	52		14-81		
Phenol	N.D.	33.	170.	ug/kg	105		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	86		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	82		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	103		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	88		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	95		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	79		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	81		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	91		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	81		47-110		
Pyrene	N.D.	33.	170.	ug/kg	93		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	90		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	98		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	94		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	90		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	95		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	82		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	105		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	106		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	98		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	81		60-106		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	80		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	102		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	83		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	105		68-105		
Isophorone	N.D.	33.	170.	ug/kg	99		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	112		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	84		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	90		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	123		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	74		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	98		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	88		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	91		75-108		
Fluorene	N.D.	33.	170.	ug/kg	85		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	88		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	83		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	107		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	98		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	94		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	88		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	88		70-107		
Anthracene	N.D.	33.	170.	ug/kg	87		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	93		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	89		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	64		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	92		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	91		73-111		
Chrysene	N.D.	33.	170.	ug/kg	89		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	59		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	93		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	111		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	104		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	94		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	105		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	101		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	109		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	103		66-120		

Batch number: 05234WAB026

Sample number(s): 4588221

1,4-Dioxane	N.D.	1.	5.	ug/l	56	59	43-73	6	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	97	97	65-107	1	30
2-Chlorophenol	N.D.	1.	5.	ug/l	89	91	63-112	2	30
Phenol	N.D.	1.	5.	ug/l	41	42	29-57	1	30
2-Nitrophenol	N.D.	1.	5.	ug/l	105	104	83-119	1	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	87	84	60-107	4	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	93	91	66-110	2	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	93	94	48-114	0	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	91	92	69-111	1	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	82	89	44-130	8	30
4-Nitrophenol	N.D.	10.	30.	ug/l	44	43	16-75	2	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	90	90	56-130	1	30
Pentachlorophenol	N.D.	3.	15.	ug/l	82	86	48-108	4	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	65	63	39-84	3	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	86	88	57-110	3	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	90	89	52-102	1	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	90	91	54-103	1	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	85	86	58-99	1	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	110	111	68-133	1	30
Hexachloroethane	N.D.	1.	5.	ug/l	88	88	33-106	0	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	88	89	56-109	2	30
Nitrobenzene	N.D.	1.	5.	ug/l	91	93	61-111	2	30
Isophorone	N.D.	1.	5.	ug/l	86	87	63-105	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	98	98	69-119	0	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	91	91	62-101	1	30
Naphthalene	N.D.	1.	5.	ug/l	93	91	70-102	2	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	93	91	33-118	2	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	95	96	14-169	1	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	75	75	56-100	1	30
Acenaphthylene	N.D.	1.	5.	ug/l	106	106	65-120	0	30
Dimethylphthalate	N.D.	2.	5.	ug/l	89	89	46-109	1	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	92	93	70-108	1	30
Acenaphthene	N.D.	1.	5.	ug/l	92	93	68-111	2	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	95	98	75-122	2	30
Fluorene	N.D.	1.	5.	ug/l	89	89	61-116	1	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	90	89	65-110	1	30
Diethylphthalate	N.D.	2.	5.	ug/l	92	94	61-110	2	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	89	90	62-106	1	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	93	94	63-104	1	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	93	95	67-110	2	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	90	89	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	94	93	68-111	1	30
Anthracene	N.D.	1.	5.	ug/l	92	93	68-108	0	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	96	97	63-113	1	30
Fluoranthene	N.D.	1.	5.	ug/l	90	92	66-108	2	30
Pyrene	N.D.	1.	5.	ug/l	95	94	68-114	2	30
Benzidine	N.D.	20.	60.	ug/l	74	78	20-134	5	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	97	96	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	89	89	72-112	0	30
Chrysene	N.D.	1.	5.	ug/l	94	94	70-111	0	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	53	62	39-116	16	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	94	93	62-126	1	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	109	107	58-118	1	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	104	105	67-117	1	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	101	97	67-120	5	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	107	105	68-121	2	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	103	101	67-122	2	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	109	108	71-129	1	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	104	102	67-121	2	30

Batch number: 052350001A

Sample number(s): 4588211-4588217

Gamma BHC - Lindane	N.D.	0.170	0.830	ug/kg	97		74-133
Heptachlor	N.D.	0.170	0.830	ug/kg	96		72-143
Aldrin	N.D.	0.170	0.830	ug/kg	96		74-137
p,p-DDT	N.D.	0.330	1.70	ug/kg	101		67-152
Dieldrin	N.D.	0.330	1.70	ug/kg	98		71-133
Endrin	N.D.	0.330	1.70	ug/kg	97		68-133
Methoxychlor	N.D.	1.70	8.30	ug/kg	103		56-168
Alpha BHC	N.D.	0.170	0.830	ug/kg	97		70-134
Beta BHC	N.D.	0.170	0.830	ug/kg	99		68-137
Delta BHC	N.D.	0.210	0.830	ug/kg	90		53-167

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Heptachlor Epoxide	N.D.	0.170	0.830	ug/kg	96		72-132		
p,p-DDE	N.D.	0.330	1.70	ug/kg	91		71-143		
p,p-DDD	N.D.	0.330	1.70	ug/kg	89		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.0	33.0	ug/kg					
Endosulfan I	N.D.	0.170	0.830	ug/kg	99		71-130		
Endosulfan II	N.D.	0.330	1.70	ug/kg	99		73-134		
Endosulfan Sulfate	N.D.	0.330	1.70	ug/kg	99		58-133		
Endrin Aldehyde	N.D.	0.330	1.70	ug/kg	94		47-145		
PCB-1016	N.D.	7.40	17.0	ug/kg					
PCB-1221	N.D.	3.30	17.0	ug/kg					
PCB-1232	N.D.	4.80	17.0	ug/kg					
PCB-1242	N.D.	3.00	17.0	ug/kg					
PCB-1248	N.D.	11.0	33.0	ug/kg					
PCB-1254	N.D.	3.30	17.0	ug/kg					
PCB-1260	N.D.	11.0	33.0	ug/kg					
Batch number: 05235117101B	Sample number(s): 4588221								
Total Cyanide	N.D.	0.0050	0.010	mg/l	100		90-110		
Batch number: 052355708002	Sample number(s): 4588204-4588217, 4588219-4588220								
Thallium	N.D.	0.960	2.00	mg/kg	111		76-125		
Arsenic	N.D.	0.670	2.00	mg/kg	98		80-120		
Selenium	N.D.	0.960	2.00	mg/kg	109		74-126		
Antimony	N.D.	0.820	2.00	mg/kg	60		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	103		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	101		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	104		78-121		
Copper	N.D.	0.300	1.00	mg/kg	100		80-120		
Lead	N.D.	0.780	2.00	mg/kg	101		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	101		78-122		
Silver	N.D.	0.190	0.500	mg/kg	113		49-150		
Zinc	0.723 J	0.460	2.00	mg/kg	96		46-154		
Batch number: 052355711001	Sample number(s): 4588204-4588217, 4588219-4588220								
Mercury	N.D.	0.0027	0.100	mg/kg	95		66-133		
Batch number: 05236102201A	Sample number(s): 4588204-4588213								
Total Cyanide	N.D.	0.18	0.50	mg/kg	99		90-110		
Batch number: 05236102201B	Sample number(s): 4588214-4588217, 4588219								
Total Cyanide	N.D.	0.18	0.50	mg/kg	99		90-110		
Batch number: 05236120102A	Sample number(s): 4588221								
Phenols	N.D.	0.0090	0.030	mg/l	98	96	83-108	1	20
Batch number: 052365713003	Sample number(s): 4588221								
Mercury	N.D.	0.00006	0.00020	mg/l	107		80-120		
		2							
Batch number: 05237102201A	Sample number(s): 4588220								
Total Cyanide	N.D.	0.18	0.50	mg/kg	98		90-110		
Batch number: 05237113201A	Sample number(s): 4588204-4588213								
Phenols	N.D.	1.2	3.5	mg/kg	100		80-120		

\*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 05237113201B	Sample number(s): 4588214-4588217, 4588219-4588220								
Phenols	N.D.	1.2	3.5	mg/kg	100		80-120		
Batch number: 05239SLA026	Sample number(s): 4588217, 4588220								
1,4-Dioxane	N.D.	100.	330.	ug/kg	46		14-81		
Phenol	N.D.	33.	170.	ug/kg	98		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	97		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	90		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	90		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	88		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	97		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	94		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	92		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	97		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	74		47-110		
Pyrene	N.D.	33.	170.	ug/kg	103		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	97		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	102		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	92		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	93		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	89		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	72		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	88		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	85		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	90		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	87		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	86		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	113		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	89		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	95		68-105		
Isophorone	N.D.	33.	170.	ug/kg	87		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	100		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	93		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	88		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	90		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	77		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	108		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	93		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	93		75-108		
Fluorene	N.D.	33.	170.	ug/kg	89		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	85		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	97		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	95		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	96		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	94		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	90		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	96		70-107		
Anthracene	N.D.	33.	170.	ug/kg	93		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	99		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	89		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	94		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	103		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	94		73-111		
Chrysene	N.D.	33.	170.	ug/kg	96		72-110		

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	68		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	98		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	101		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	95		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	97		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	100		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	94		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	102		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	96		66-120		
Batch number: 05241SLB026 Sample number(s): 4588207									
1,4-Dioxane	N.D.	100.	330.	ug/kg	39		14-81		
Phenol	N.D.	33.	170.	ug/kg	98		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	96		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	89		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	91		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	89		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	102		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	96		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	100		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	102		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	81		47-110		
Pyrene	N.D.	33.	170.	ug/kg	108		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	98		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	108		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	95		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	97		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	97		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	90		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	96		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	93		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	91		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	85		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	86		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	113		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	87		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	95		68-105		
Isophorone	N.D.	33.	170.	ug/kg	90		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	101		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	93		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	88		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	89		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	78		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	111		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	96		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	99		75-108		
Fluorene	N.D.	33.	170.	ug/kg	91		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	90		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	100		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	95		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	97		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	93		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	91		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	94		70-107		
Anthracene	N.D.	33.	170.	ug/kg	95		69-109		

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	100		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	90		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	97		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	111		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	97		73-111		
Chrysene	N.D.	33.	170.	ug/kg	102		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	72		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	104		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	113		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	95		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	103		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	103		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	99		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	103		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	99		66-120		

Batch number: Q052363AA	Sample number(s): 4588218								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	107	110	75-125	3	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	102	100	51-160	2	30
Chloromethane	N.D.	100.	250.	ug/kg	88	101	62-132	14	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	86	95	66-124	10	30
Bromomethane	N.D.	100.	250.	ug/kg	101	100	59-127	0	30
Chloroethane	N.D.	100.	200.	ug/kg	105	120	63-120	14	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	94	98	65-138	4	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	94	99	69-133	5	30
Methylene Chloride	N.D.	100.	250.	ug/kg	102	107	75-120	4	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	92	100	77-124	8	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	104	107	79-124	3	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	98	106	76-120	8	30
Chloroform	N.D.	50.	250.	ug/kg	104	109	81-117	5	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	98	104	74-127	6	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	96	101	69-130	6	30
Benzene	N.D.	25.	250.	ug/kg	99	105	77-119	6	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	108	112	76-126	4	30
Trichloroethene	N.D.	50.	250.	ug/kg	99	105	81-114	6	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	104	106	78-119	2	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	109	108	77-116	0	30
Toluene	N.D.	50.	250.	ug/kg	96	101	81-116	4	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	99	102	74-117	3	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	88	94	73-127	7	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	107	111	73-116	4	30
Chlorobenzene	N.D.	50.	250.	ug/kg	97	101	81-112	4	30
Ethylbenzene	N.D.	50.	250.	ug/kg	97	102	82-115	5	30
Bromoform	N.D.	50.	250.	ug/kg	99	102	64-125	2	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	99	104	64-121	4	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	103	105	77-114	2	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	100	101	72-119	1	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	106	111	72-117	4	30
Xylene (Total)	N.D.	50.	250.	ug/kg	97	102	82-117	5	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	107	106	9-208	0	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	107	104	33-143	3	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	104	106	56-129	2	30

Batch number: Q052363AB	Sample number(s): 4588220								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	107	110	75-125	3	30

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	102	100	51-160	2	30
Chloromethane	N.D.	100.	250.	ug/kg	88	101	62-132	14	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	86	95	66-124	10	30
Bromomethane	N.D.	100.	250.	ug/kg	101	100	59-127	0	30
Chloroethane	N.D.	100.	200.	ug/kg	105	120	63-120	14	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	94	98	65-138	4	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	94	99	69-133	5	30
Methylene Chloride	N.D.	100.	250.	ug/kg	102	107	75-120	4	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	92	100	77-124	8	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	104	107	79-124	3	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	98	106	76-120	8	30
Chloroform	N.D.	50.	250.	ug/kg	104	109	81-117	5	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	98	104	74-127	6	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	96	101	69-130	6	30
Benzene	N.D.	25.	250.	ug/kg	99	105	77-119	6	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	108	112	76-126	4	30
Trichloroethene	N.D.	50.	250.	ug/kg	99	105	81-114	6	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	104	106	78-119	2	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	109	108	77-116	0	30
Toluene	N.D.	50.	250.	ug/kg	96	101	81-116	4	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	99	102	74-117	3	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	88	94	73-127	7	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	107	111	73-116	4	30
Chlorobenzene	N.D.	50.	250.	ug/kg	97	101	81-112	4	30
Ethylbenzene	N.D.	50.	250.	ug/kg	97	102	82-115	5	30
Bromoform	N.D.	50.	250.	ug/kg	99	102	64-125	2	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	99	104	64-121	4	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	103	105	77-114	2	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	100	101	72-119	1	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	106	111	72-117	4	30
Xylene (Total)	N.D.	50.	250.	ug/kg	97	102	82-117	5	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	107	106	9-208	0	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	107	104	33-143	3	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	104	106	56-129	2	30

Batch number: Q052382AB

Sample number(s): 4588214

Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	112	113	75-125	1	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	108	113	51-160	5	30
Chloromethane	N.D.	100.	250.	ug/kg	117	114	62-132	2	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	117	114	66-124	3	30
Bromomethane	N.D.	100.	250.	ug/kg	124	123	59-127	1	30
Chloroethane	N.D.	100.	200.	ug/kg	100	99	63-120	1	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	122	114	65-138	7	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	118	117	69-133	1	30
Methylene Chloride	N.D.	100.	250.	ug/kg	113	112	75-120	1	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	116	110	77-124	5	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	117	117	79-124	0	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	112	111	76-120	1	30
Chloroform	N.D.	50.	250.	ug/kg	113	113	81-117	0	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	113	114	74-127	0	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	109	110	69-130	1	30
Benzene	N.D.	25.	250.	ug/kg	112	113	77-119	1	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	114	116	76-126	2	30
Trichloroethene	N.D.	50.	250.	ug/kg	111	112	81-114	1	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	115	115	78-119	0	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromodichloromethane	N.D.	50.	250.	ug/kg	112	116	77-116	3	30
Toluene	N.D.	50.	250.	ug/kg	107	106	81-116	1	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	104	108	74-117	3	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	102	103	73-127	1	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	111	111	73-116	0	30
Chlorobenzene	N.D.	50.	250.	ug/kg	104	106	81-112	2	30
Ethylbenzene	N.D.	50.	250.	ug/kg	107	105	82-115	2	30
Bromoform	N.D.	50.	250.	ug/kg	100	104	64-125	5	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	103	107	64-121	4	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	107	106	77-114	0	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	104	104	72-119	0	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	114	114	72-117	0	30
Xylene (Total)	N.D.	50.	250.	ug/kg	106	107	82-117	1	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	110	115	9-208	4	30
Acrolein	N.D.	59.	2,000.	ug/kg	106	109	33-143	3	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	109	109	56-129	1	30

Batch number: Q052382AC

Sample number(s): 4588212-4588213

Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	112	113	75-125	1	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	108	113	51-160	5	30
Chloromethane	N.D.	100.	250.	ug/kg	117	114	62-132	2	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	117	114	66-124	3	30
Bromomethane	N.D.	100.	250.	ug/kg	124	123	59-127	1	30
Chloroethane	N.D.	100.	200.	ug/kg	100	99	63-120	1	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	122	114	65-138	7	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	118	117	69-133	1	30
Methylene Chloride	N.D.	100.	250.	ug/kg	113	112	75-120	1	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	116	110	77-124	5	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	117	117	79-124	0	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	112	111	76-120	1	30
Chloroform	N.D.	50.	250.	ug/kg	113	113	81-117	0	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	113	114	74-127	0	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	109	110	69-130	1	30
Benzene	N.D.	25.	250.	ug/kg	112	113	77-119	1	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	114	116	76-126	2	30
Trichloroethene	N.D.	50.	250.	ug/kg	111	112	81-114	1	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	115	115	78-119	0	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	112	116	77-116	3	30
Toluene	N.D.	50.	250.	ug/kg	107	106	81-116	1	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	104	108	74-117	3	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	102	103	73-127	1	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	111	111	73-116	0	30
Chlorobenzene	N.D.	50.	250.	ug/kg	104	106	81-112	2	30
Ethylbenzene	N.D.	50.	250.	ug/kg	107	105	82-115	2	30
Bromoform	N.D.	50.	250.	ug/kg	100	104	64-125	5	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	103	107	64-121	4	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	107	106	77-114	0	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	104	104	72-119	0	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	114	114	72-117	0	30
Xylene (Total)	N.D.	50.	250.	ug/kg	106	107	82-117	1	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	110	115	9-208	4	30
Acrolein	N.D.	59.	2,000.	ug/kg	106	109	33-143	3	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	109	109	56-129	1	30

Batch number: Q052412AA

Sample number(s): 4588217

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	116	115	75-125	1	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	96	97	51-160	1	30
Chloromethane	N.D.	100.	250.	ug/kg	121	103	62-132	16	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	111	95	66-124	16	30
Bromomethane	N.D.	100.	250.	ug/kg	131*	115	59-127	13	30
Chloroethane	N.D.	100.	200.	ug/kg	98	101	63-120	3	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	114	103	65-138	10	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	111	104	69-133	7	30
Methylene Chloride	N.D.	100.	250.	ug/kg	113	111	75-120	2	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	107	104	77-124	3	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	111	112	79-124	1	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	108	109	76-120	1	30
Chloroform	N.D.	50.	250.	ug/kg	111	112	81-117	1	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	105	106	74-127	1	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	104	105	69-130	1	30
Benzene	N.D.	25.	250.	ug/kg	109	109	77-119	0	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	114	118	76-126	3	30
Trichloroethene	N.D.	50.	250.	ug/kg	104	106	81-114	2	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	109	109	78-119	0	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	116	120*	77-116	3	30
Toluene	N.D.	50.	250.	ug/kg	102	99	81-116	3	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	102	106	74-117	4	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	93	93	73-127	0	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	105	110	73-116	4	30
Chlorobenzene	N.D.	50.	250.	ug/kg	99	100	81-112	1	30
Ethylbenzene	N.D.	50.	250.	ug/kg	98	100	82-115	3	30
Bromoform	N.D.	50.	250.	ug/kg	98	103	64-125	5	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	99	100	64-121	1	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	102	105	77-114	3	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	103	104	72-119	0	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	110	113	72-117	3	30
Xylene (Total)	N.D.	50.	250.	ug/kg	99	99	82-117	1	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	113	112	9-208	1	30
Acrolein	N.D.	59.	2,000.	ug/kg	118	112	33-143	5	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	114	114	56-129	0	30
Batch number: T052342AA Sample number(s): 4588221									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	88	89	77-127	1	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	101	104	57-141	4	30
Chloromethane	N.D.	1.	5.	ug/l	111	104	59-177	6	30
Vinyl Chloride	N.D.	1.	5.	ug/l	100	98	71-134	2	30
Bromomethane	N.D.	1.	5.	ug/l	100	100	62-131	1	30
Chloroethane	N.D.	1.	5.	ug/l	100	99	67-127	1	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	99	95	70-148	4	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	96	95	79-130	1	30
Methylene Chloride	N.D.	2.	5.	ug/l	102	102	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	97	96	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	99	97	83-127	2	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	97	96	84-117	1	30
Chloroform	N.D.	0.8	5.	ug/l	107	104	86-124	3	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	106	103	83-127	2	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	101	98	77-130	2	30
Benzene	N.D.	0.5	5.	ug/l	97	95	85-117	2	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	114	113	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	102	97	87-117	4	30

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dichloropropane	N.D.	1.	5.	ug/l	97	98	80-117	0	30
Bromodichloromethane	N.D.	1.	5.	ug/l	102	100	83-121	3	30
Toluene	N.D.	0.7	5.	ug/l	97	97	85-115	0	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	96	97	86-113	0	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	89	91	74-125	1	30
Dibromochloromethane	N.D.	1.	5.	ug/l	104	105	78-119	1	30
Chlorobenzene	N.D.	0.8	5.	ug/l	89	90	85-115	1	30
Ethylbenzene	N.D.	0.8	5.	ug/l	88	87	82-119	1	30
Bromoform	N.D.	1.	5.	ug/l	95	94	69-118	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	93	95	72-119	1	30
1,2-Dibromoethane	N.D.	1.	5.	ug/l	92	93	81-114	1	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	87	86	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	91	90	78-114	2	30
Xylene (Total)	N.D.	0.8	5.	ug/l	90	89	83-113	1	30
Acrylonitrile	N.D.	4.	20.	ug/l	102	101	55-137	1	30
Acrolein	N.D.	40.	100.	ug/l	90	89	28-146	1	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	96	96	53-133	0	30

Batch number: X052351AB	Sample number(s): 4588204								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	89	92	75-125	3	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	102	103	51-160	1	30
Chloromethane	N.D.	2.	5.	ug/kg	96	95	62-132	1	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	94	92	66-124	2	30
Bromomethane	N.D.	2.	5.	ug/kg	97	95	59-127	3	30
Chloroethane	N.D.	2.	4.	ug/kg	97	97	63-120	0	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	98	96	65-138	2	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	93	92	69-133	1	30
Methylene Chloride	2. J	2.	5.	ug/kg	94	96	75-120	2	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	95	92	77-124	3	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	99	97	79-124	2	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	98	98	76-120	0	30
Chloroform	N.D.	1.	5.	ug/kg	99	99	81-117	0	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	98	95	74-127	3	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	96	95	69-130	2	30
Benzene	N.D.	0.5	5.	ug/kg	98	97	77-119	1	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	95	98	76-126	2	30
Trichloroethene	N.D.	1.	5.	ug/kg	98	98	81-114	0	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	100	99	78-119	1	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	95	95	77-116	1	30
Toluene	N.D.	1.	5.	ug/kg	99	98	81-116	1	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	92	95	74-117	3	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	102	98	73-127	4	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	96	97	73-116	1	30
Chlorobenzene	N.D.	1.	5.	ug/kg	99	98	81-112	1	30
Ethylbenzene	N.D.	1.	5.	ug/kg	100	97	82-115	3	30
Bromoform	N.D.	1.	5.	ug/kg	90	95	64-125	5	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	87	92	64-121	6	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	89	95	77-114	6	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	98	100	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	96	97	72-117	1	30
Xylene (Total)	N.D.	1.	5.	ug/kg	98	95	82-117	3	30
Acrolein	N.D.	1.	40.	ug/kg	65	73	33-143	11	30
Acrylonitrile	N.D.	4.	20.	ug/kg	72	84	56-129	15	30

Batch number: X052371AA

Sample number(s): 4588205-4588211,4588215-4588216,4588219

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	96		75-125		
t-Butyl alcohol	N.D.	20.	100.	ug/kg	157		51-160		
Chloromethane	N.D.	2.	5.	ug/kg	86		62-132		
Vinyl Chloride	N.D.	1.	5.	ug/kg	85		66-124		
Bromomethane	N.D.	2.	5.	ug/kg	89		59-127		
Chloroethane	N.D.	2.	4.	ug/kg	89		63-120		
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	90		65-138		
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	92		69-133		
Methylene Chloride	N.D.	2.	5.	ug/kg	100		75-120		
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	95		77-124		
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	96		79-124		
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	96		76-120		
Chloroform	N.D.	1.	5.	ug/kg	98		81-117		
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	98		74-127		
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	96		69-130		
Benzene	N.D.	0.5	5.	ug/kg	97		77-119		
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	99		76-126		
Trichloroethene	N.D.	1.	5.	ug/kg	97		81-114		
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	96		78-119		
Bromodichloromethane	N.D.	1.	5.	ug/kg	96		77-116		
Toluene	N.D.	1.	5.	ug/kg	98		81-116		
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	96		74-117		
Tetrachloroethene	N.D.	1.	5.	ug/kg	102		73-127		
Dibromochloromethane	N.D.	1.	5.	ug/kg	98		73-116		
Chlorobenzene	N.D.	1.	5.	ug/kg	97		81-112		
Ethylbenzene	N.D.	1.	5.	ug/kg	97		82-115		
Bromoform	N.D.	1.	5.	ug/kg	94		64-125		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	91		64-121		
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	94		77-114		
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	99		72-119		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	96		72-117		
Xylene (Total)	N.D.	1.	5.	ug/kg	97		82-117		
Acrolein	N.D.	20.	40.	ug/kg	71		33-143		
Acrylonitrile	N.D.	4.	20.	ug/kg	83		56-129		

### Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>BKG</u>	<u>DUP</u>	<u>DUP</u>	<u>Dup RPD</u>
Batch number: 052320003A								
Gamma BHC - Lindane	93	91	43-154	3	35			
Heptachlor	91	91	70-138	0	35			
Aldrin	90	87	58-159	3	35			
p,p-DDT	88	101	62-166	13	35			
Dieldrin	96	97	68-139	1	35			
Endrin	94	96	48-188	2	35			
Methoxychlor	107	119	74-162	10	35			
Alpha BHC	89	86	64-134	4	35			
Beta BHC	99	100	31-176	1	35			
Delta BHC	86	89	68-158	3	35			
Heptachlor Epoxide	96	97	69-133	1	35			

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
p,p-DDE	89	91	48-175	3	35			
p,p-DDD	94	99	52-181	5	35			
Endosulfan I	100	101	41-166	1	35			
Endosulfan II	102	105	65-144	3	35			
Endosulfan Sulfate	100	103	65-154	3	35			
Endrin Aldehyde	99	111	63-125	11	35			
Batch number: 052341848002	Sample number(s): 4588221							
Thallium	102	101	89-112	0	20	N.D.	N.D.	117* (1) 20
Arsenic	106	105	86-119	1	20	N.D.	N.D.	45* (1) 20
Selenium	99	98	75-125	1	20	N.D.	N.D.	21* (1) 20
Antimony	101	100	75-125	2	20	N.D.	N.D.	41* (1) 20
Beryllium	112	110	91-117	2	20	N.D.	N.D.	63* (1) 20
Cadmium	107	106	87-117	1	20	N.D.	N.D.	40* (1) 20
Chromium	104	102	86-118	2	20	N.D.	N.D.	16 (1) 20
Copper	107	106	89-119	1	20	N.D.	N.D.	27* (1) 20
Lead	102	101	87-118	1	20	N.D.	N.D.	161* (1) 20
Nickel	107	105	91-111	1	20	N.D.	N.D.	30* (1) 20
Silver	111	110	75-125	1	20	N.D.	N.D.	52* (1) 20
Zinc	105	103	80-120	2	20	N.D.	N.D.	14 (1) 20
Batch number: 05234820004A	Sample number(s): 4588204-4588210							
Moisture					15.4	15.2	1	15
Batch number: 05234820004B	Sample number(s): 4588211-4588217, 4588219-4588220							
Moisture					20.5	20.5	0	15
Batch number: 05234SLA026	Sample number(s): 4588204-4588206, 4588208-4588216, 4588219							
1,4-Dioxane	38	36	6-84	5	30			
Phenol	71	66	48-128	7	30			
2-Chlorophenol	60	57	36-140	6	30			
1,4-Dichlorobenzene	59	55	46-115	7	30			
N-Nitroso-di-n-propylamine	72	68	42-132	6	30			
1,2,4-Trichlorobenzene	64	60*	62-114	7	30			
4-Chloro-3-methylphenol	68	59	42-147	14	30			
Acenaphthene	57	53	47-137	8	30			
4-Nitrophenol	53	47	30-151	12	30			
2,4-Dinitrotoluene	65*	58*	66-126	11	30			
Pentachlorophenol	51	44	22-126	14	30			
Pyrene	66	65	25-159	1	30			
1-Methylnaphthalene	67	60	60-128	11	30			
2-Nitrophenol	72	65	53-140	10	30			
2,4-Dimethylphenol	69	62	44-131	11	30			
2,4-Dichlorophenol	66	59*	60-123	13	30			
2,4,6-Trichlorophenol	68	63	51-128	8	30			
2,4-Dinitrophenol	31	29	20-152	6	30			
4,6-Dinitro-2-methylphenol	50	47	14-136	6	30			
N-Nitrosodimethylamine	75	69	56-110	8	30			
bis(2-Chloroethyl)ether	67	64	60-110	5	30			
1,3-Dichlorobenzene	57	53	52-112	7	30			
1,2-Dichlorobenzene	56	53*	56-108	6	30			
bis(2-Chloroisopropyl)ether	71	68	38-157	4	30			
Hexachloroethane	56	54	30-130	5	30			
Nitrobenzene	78	71	65-113	9	30			

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Isophorone	71	66	55-116	7	30			
bis(2-Chloroethoxy)methane	83	76	63-128	10	30			
Naphthalene	63	57	54-121	10	30			
Hexachlorobutadiene	67	61	43-132	9	30			
Hexachlorocyclopentadiene	34	23	5-175	39*	30			
2-Chloronaphthalene	54	51	51-100	6	30			
Acenaphthylene	70	65*	66-137	8	30			
Dimethylphthalate	64*	59*	70-112	7	30			
2,6-Dinitrotoluene	65*	59*	66-116	11	30			
Fluorene	61	55	48-130	10	30			
4-Chlorophenyl-phenylether	64	59	50-128	8	30			
Diethylphthalate	61*	56*	71-112	9	30			
1,2-Diphenylhydrazine	79	75	26-141	5	30			
N-Nitrosodiphenylamine	75	71	59-133	6	30			
4-Bromophenyl-phenylether	71	65*	69-119	8	30			
Hexachlorobenzene	63	59	59-130	7	30			
Phenanthrene	62	56	28-155	10	30			
Anthracene	62	55	47-135	12	30			
Di-n-butylphthalate	66*	61*	67-119	8	30			
Fluoranthene	56	46	32-137	17	30			
Benzidine	30	26	20-173	12	30			
Butylbenzylphthalate	71	68	55-131	4	30			
Benzo(a)anthracene	61	55	39-144	10	30			
Chrysene	58	53	38-144	9	30			
3,3'-Dichlorobenzidine	63	61	10-133	3	30			
bis(2-Ethylhexyl)phthalate	70	68	54-141	2	30			
Di-n-octylphthalate	78	77	47-144	1	30			
Benzo(b)fluoranthene	62	52	24-155	15	30			
Benzo(k)fluoranthene	57	54	2-176	5	30			
Benzo(a)pyrene	59	53	38-142	10	30			
Indeno(1,2,3-cd)pyrene	52	46	1-186	10	30			
Dibenz(a,h)anthracene	62	56	44-154	11	30			
Benzo(g,h,i)perylene	54	46	32-150	16	30			

Batch number: 052350001A	Sample number(s): 4588211-4588217			
Gamma BHC - Lindane	81	83	43-154	3
Heptachlor	83	84	70-138	2
Aldrin	76	78	58-159	3
p,p-DDT	0*	0*	62-166	0
Dieldrin	84	88	68-139	4
Endrin	84	86	48-188	2
Methoxychlor	122	126	74-162	3
Alpha BHC	80	85	64-134	5
Beta BHC	75	75	31-176	0
Delta BHC	69	72	68-158	4
Heptachlor Epoxide	82	84	69-133	2
p,p-DDE	79	81	48-175	2
p,p-DDD	105	108	52-181	3
Endosulfan I	81	85	41-166	4
Endosulfan II	104	108	65-144	3
Endosulfan Sulfate	92	92	65-154	0
Endrin Aldehyde	75	75	63-125	1

Batch number: 05235117101B Sample number(s): 4588221

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS</u>	<u>MSD</u>	<u>MS/MSD</u>	<u>RPD</u>	<u>BKG</u>	<u>DUP</u>	<u>DUP</u>	<u>Dup</u>
<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>RPD</u>
Total Cyanide	28*		82-114			N.D.	N.D.	0 (1)
Batch number: 052355708002	Sample number(s): 4588204-4588217, 4588219-4588220							
Thallium	97	99	86-106	2	20	2.35	1.67 J	34* (1)
Arsenic	101	103	75-112	2	20	3.81	4.82	23* (1)
Selenium	108	108	81-112	1	20	1.11 J	1.39 J	23* (1)
Antimony	92	94	75-125	2	20	1.07 J	N.D.	106* (1)
Beryllium	102	104	89-114	2	20	0.106 J	0.0865 J	20 (1)
Cadmium	85	88	75-125	3	20	N.D.	0.434 J	1827* (1)
Chromium	98	78	75-125	6	20	44.4	41.4	7
Copper	111	87	75-125	5	20	91.7	76.4	18
Lead	250*	359*	75-125	17	20	154.	196.	24*
Nickel	93	97	75-125	3	20	17.0	15.2	11
Silver	107	106	82-116	1	20	0.308 J	0.403 J	27* (1)
Zinc	160*	167*	75-125	3	20	22.6	23.6	4
Batch number: 052355711001	Sample number(s): 4588204-4588217, 4588219-4588220							
Mercury	91	92	80-120	2	20	N.D.	N.D.	163* (1)
Batch number: 05236102201A	Sample number(s): 4588204-4588213							
Total Cyanide	91		52-135			N.D.	N.D.	72* (1)
Batch number: 05236102201B	Sample number(s): 4588214-4588217, 4588219							
Total Cyanide	104		52-135			N.D.	N.D.	9 (1)
Batch number: 052365713003	Sample number(s): 4588221							
Mercury	110	113	80-120	3	20	N.D.	N.D.	56* (1)
Batch number: 05237102201A	Sample number(s): 4588220							
Total Cyanide	96		52-135			0.46 J	0.49	7 (1)
Batch number: 05237113201A	Sample number(s): 4588204-4588213							
Phenols	173	165	38-175	5	26			
Batch number: 05237113201B	Sample number(s): 4588214-4588217, 4588219-4588220							
Phenols	96	95	38-175	1	26			
Batch number: 05239SLA026	Sample number(s): 4588217, 4588220							
1,4-Dioxane	43	53	6-84	19	30			
Phenol	85	91	48-128	7	30			
2-Chlorophenol	87	91	36-140	5	30			
1,4-Dichlorobenzene	87	91	46-115	4	30			
N-Nitroso-di-n-propylamine	141*	143*	42-132	2	30			
1,2,4-Trichlorobenzene	86	90	62-114	4	30			
4-Chloro-3-methylphenol	96	99	42-147	3	30			
Acenaphthene	98	89	47-137	6	30			
4-Nitrophenol	126	132	30-151	4	30			
2,4-Dinitrotoluene	110	111	66-126	1	30			
Pentachlorophenol	72	77	22-126	6	30			
Pyrene	123	78	25-159	13	30			
1-Methylnaphthalene	108	88	60-128	9	30			
2-Nitrophenol	98	104	53-140	6	30			
2,4-Dimethylphenol	94	97	44-131	4	30			
2,4-Dichlorophenol	87	89	60-123	1	30			

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	Max
2,4,6-Trichlorophenol	95	95	51-128	0	30			
2,4-Dinitrophenol	0*	0*	20-152	0	30			
4,6-Dinitro-2-methylphenol	80	83	14-136	3	30			
N-Nitrosodimethylamine	72	76	56-110	6	30			
bis(2-Chloroethyl)ether	88	95	60-110	8	30			
1,3-Dichlorobenzene	85	89	52-112	6	30			
1,2-Dichlorobenzene	82	85	56-108	3	30			
bis(2-Chloroisopropyl)ether	112	118	38-157	5	30			
Hexachloroethane	222*	211*	30-130	5	30			
Nitrobenzene	110	111	65-113	1	30			
Isophorone	94	97	55-116	3	30			
bis(2-Chloroethoxy)methane	117	114	63-128	2	30			
Naphthalene	99	80	54-121	9	30			
Hexachlorobutadiene	88	89	43-132	1	30			
Hexachlorocyclopentadiene	33	40	5-175	20	30			
2-Chloronaphthalene	80	80	51-100	0	30			
Acenaphthylene	112	113	66-137	1	30			
Dimethylphthalate	92	95	70-112	4	30			
2,6-Dinitrotoluene	108	103	66-116	4	30			
Fluorene	92	91	48-130	1	30			
4-Chlorophenyl-phenylether	92	94	50-128	2	30			
Diethylphthalate	96	100	71-112	4	30			
1,2-Diphenylhydrazine	102	101	26-141	0	30			
N-Nitrosodiphenylamine	183*	171*	59-133	7	30			
4-Bromophenyl-phenylether	105	101	69-119	4	30			
Hexachlorobenzene	86	91	59-130	5	30			
Phenanthrene	124	98	28-155	8	30			
Anthracene	102	94	47-135	5	30			
Di-n-butylphthalate	98	100	67-119	2	30			
Fluoranthene	88	90	32-137	1	30			
Benzidine	45	44	20-173	3	30			
Butylbenzylphthalate	130	126	55-131	3	30			
Benzo(a)anthracene	136	110	39-144	9	30			
Chrysene	100	104	38-144	1	30			
3,3'-Dichlorobenzidine	106	105	10-133	1	30			
bis(2-Ethylhexyl)phthalate	111	116	54-141	4	30			
Di-n-octylphthalate	100	100	47-144	0	30			
Benzo(b)fluoranthene	82	82	24-155	0	30			
Benzo(k)fluoranthene	99	91	2-176	7	30			
Benzo(a)pyrene	94	89	38-142	3	30			
Indeno(1,2,3-cd)pyrene	101	99	1-186	1	30			
Dibenz(a,h)anthracene	103	98	44-154	4	30			
Benzo(g,h,i)perylene	101	94	32-150	6	30			
Batch number: 05241SLB026	Sample number(s): 4588207							
1,4-Dioxane	38	37	6-84	3	30			
Phenol	94	98	48-128	4	30			
2-Chlorophenol	94	96	36-140	2	30			
1,4-Dichlorobenzene	82	78	46-115	6	30			
N-Nitroso-di-n-propylamine	91	91	42-132	0	30			
1,2,4-Trichlorobenzene	86	83	62-114	4	30			
4-Chloro-3-methylphenol	98	98	42-147	0	30			
Acenaphthene	93	92	47-137	2	30			
4-Nitrophenol	96	97	30-151	1	30			

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	Max
2,4-Dinitrotoluene	94	96	66-126	2	30			
Pentachlorophenol	77	76	22-126	0	30			
Pyrene	99	100	25-159	0	30			
1-Methylnaphthalene	96	96	60-128	1	30			
2-Nitrophenol	103	105	53-140	2	30			
2,4-Dimethylphenol	86	82	44-131	5	30			
2,4-Dichlorophenol	93	95	60-123	2	30			
2,4,6-Trichlorophenol	93	93	51-128	0	30			
2,4-Dinitrophenol	71	72	20-152	1	30			
4,6-Dinitro-2-methylphenol	83	78	14-136	7	30			
N-Nitrosodimethylamine	93	83	56-110	11	30			
bis(2-Chloroethyl)ether	88	87	60-110	2	30			
1,3-Dichlorobenzene	78	75	52-112	4	30			
1,2-Dichlorobenzene	79	76	56-108	3	30			
bis(2-Chloroisopropyl)ether	112	111	38-157	1	30			
Hexachloroethane	82	73	30-130	11	30			
Nitrobenzene	92	91	65-113	1	30			
Isophorone	87	87	55-116	0	30			
bis(2-Chloroethoxy)methane	99	99	63-128	1	30			
Naphthalene	90	89	54-121	2	30			
Hexachlorobutadiene	84	83	43-132	2	30			
Hexachlorocyclopentadiene	73	64	5-175	13	30			
2-Chloronaphthalene	76	75	51-100	1	30			
Acenaphthylene	108	107	66-137	1	30			
Dimethylphthalate	93	92	70-112	1	30			
2,6-Dinitrotoluene	92	93	66-116	2	30			
Fluorene	86	86	48-130	0	30			
4-Chlorophenyl-phenylether	86	88	50-128	2	30			
Diethylphthalate	95	94	71-112	2	30			
1,2-Diphenylhydrazine	97	96	26-141	1	30			
N-Nitrosodiphenylamine	98	96	59-133	2	30			
4-Bromophenyl-phenylether	93	93	69-119	1	30			
Hexachlorobenzene	89	89	59-130	0	30			
Phenanthrene	92	92	28-155	1	30			
Anthracene	91	91	47-135	0	30			
Di-n-butylphthalate	96	97	67-119	1	30			
Fluoranthene	86	85	32-137	1	30			
Benzidine	0*	0*	20-173	0	30			
Butylbenzylphthalate	104	104	55-131	0	30			
Benzo(a)anthracene	96	95	39-144	1	30			
Chrysene	94	95	38-144	0	30			
3,3'-Dichlorobenzidine	64	46	10-133	33*	30			
bis(2-Ethylhexyl)phthalate	100	100	54-141	0	30			
Di-n-octylphthalate	103	103	47-144	0	30			
Benzo(b)fluoranthene	98	97	24-155	2	30			
Benzo(k)fluoranthene	85	88	2-176	3	30			
Benzo(a)pyrene	97	98	38-142	1	30			
Indeno(1,2,3-cd)pyrene	93	94	1-186	1	30			
Dibenz(a,h)anthracene	99	100	44-154	1	30			
Benzo(g,h,i)perylene	93	94	32-150	2	30			

Batch number: T052342AA  
Methyl Tertiary Butyl Ether  
t-Butyl alcohol

Sample number(s): 4588221  
85 69-134  
92 51-147

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Chloromethane	114		72-208					
Vinyl Chloride	111		81-150					
Bromomethane	116		59-143					
Chloroethane	110		63-142					
Trichlorofluoromethane	120		77-177					
1,1-Dichloroethene	104		87-145					
Methylene Chloride	103		79-133					
trans-1,2-Dichloroethene	103		82-133					
1,1-Dichloroethane	102		85-135					
cis-1,2-Dichloroethene	100		83-126					
Chloroform	111		82-131					
1,1,1-Trichloroethane	112		81-142					
Carbon Tetrachloride	112		79-155					
Benzene	103		83-128					
1,2-Dichloroethane	116		73-136					
Trichloroethene	105		83-136					
1,2-Dichloropropane	100		83-129					
Bromodichloromethane	107		80-129					
Toluene	102		83-127					
1,1,2-Trichloroethane	97		77-125					
Tetrachloroethene	97		78-133					
Dibromochloromethane	107		73-119					
Chlorobenzene	93		83-120					
Ethylbenzene	91		82-129					
Bromoform	96		64-119					
1,1,2,2-Tetrachloroethane	94		69-121					
1,2-Dibromoethane	91		78-120					
trans-1,3-Dichloropropene	88		75-117					
cis-1,3-Dichloropropene	93		76-117					
Xylene (Total)	94		82-130					
Acrylonitrile	98		54-132					
Acrolein	83		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					
Batch number: X052351AB	Sample number(s): 4588204							
Methyl Tertiary Butyl Ether	99		49-140					
t-Butyl alcohol	125		46-148					
Chloromethane	112		60-132					
Vinyl Chloride	110		60-126					
Bromomethane	107		52-121					
Chloroethane	107		60-122					
Trichlorofluoromethane	115		53-142					
1,1-Dichloroethene	105		62-133					
Methylene Chloride	101		59-135					
trans-1,2-Dichloroethene	102		64-125					
1,1-Dichloroethane	105		65-125					
cis-1,2-Dichloroethene	105		63-125					
Chloroform	109		65-126					
1,1,1-Trichloroethane	109		59-134					
Carbon Tetrachloride	108		53-138					
Benzene	107		67-123					
1,2-Dichloroethane	104		62-130					
Trichloroethene	107		62-126					
1,2-Dichloropropane	107		64-120					

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Bromodichloromethane	104		65-118					
Toluene	107		55-125					
1,1,2-Trichloroethane	100		62-122					
Tetrachloroethene	111		45-151					
Dibromochloromethane	104		62-120					
Chlorobenzene	106		62-116					
Ethylbenzene	108		50-127					
Bromoform	101		52-123					
1,1,2,2-Tetrachloroethane	98		37-142					
1,2-Dibromoethane	99		62-116					
trans-1,3-Dichloropropene	105		61-121					
cis-1,3-Dichloropropene	104		54-122					
Xylene (Total)	106		54-123					
Acrolein	66		12-136					
Acrylonitrile	88		47-125					
Batch number: X052371AA Sample number(s): 4588205-4588211,4588215-4588216,4588219								
Methyl Tertiary Butyl Ether	105	90	49-140	24	30			
t-Butyl alcohol	115	106	46-148	17	30			
Chloromethane	114	105	60-132	18	30			
Vinyl Chloride	109	104	60-126	13	30			
Bromomethane	94	91	52-121	13	30			
Chloroethane	84	78	60-122	16	30			
Trichlorofluoromethane	91	91	53-142	8	30			
1,1-Dichloroethene	95	82	62-133	23	30			
Methylene Chloride	94	80	59-135	25	30			
trans-1,2-Dichloroethene	101	89	64-125	22	30			
1,1-Dichloroethane	108	94	65-125	22	30			
cis-1,2-Dichloroethene	107	94	63-125	22	30			
Chloroform	104	95	65-126	18	30			
1,1,1-Trichloroethane	90	84	59-134	15	30			
Carbon Tetrachloride	77	77	53-138	8	30			
Benzene	103	95	67-123	17	30			
1,2-Dichloroethane	106	97	62-130	18	30			
Trichloroethene	85	85	62-126	9	30			
1,2-Dichloropropane	94	89	64-120	15	30			
Bromodichloromethane	87	83	65-118	14	30			
Toluene	126*	111	55-125	22	30			
1,1,2-Trichloroethane	122	107	62-122	22	30			
Tetrachloroethene	76	73	45-151	13	30			
Dibromochloromethane	109	99	62-120	19	30			
Chlorobenzene	92	85	62-116	17	30			
Ethylbenzene	78	74	50-127	15	30			
Bromoform	74	70	52-123	15	30			
1,1,2,2-Tetrachloroethane	146*	115	37-142	33*	30			
1,2-Dibromoethane	107	97	62-116	18	30			
trans-1,3-Dichloropropene	125*	108	61-121	23	30			
cis-1,3-Dichloropropene	88	84	54-122	14	30			
Xylene (Total)	73	70	54-123	12	30			
Acrolein	97	89	12-136	17	30			
Acrylonitrile	112	103	47-125	18	30			

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

## Surrogate Quality Control

Analysis Name: Pesticides/PCBs in Solids  
Batch number: 052320003A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4588204	105	194*
4588205	107	224*
4588206	89	263*
4588207	89	272*
4588208	111	1842*
4588209	84	550*
4588210	84	378*
4588219	117	147
4588220	101	200*
Blank	103	116
LCS	104	123
MS	80	118
MSD	79	121
Limits:	58-149	62-159

Analysis Name: PPL Pesticides in Water  
Batch number: 052340008A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4588221	93	105
Blank	94	92
LCS	98	105
LCSD	97	101
Limits:	45-125	47-155

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05234SLA026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4588204	70	70	61	80
4588205	81	83	65	97
4588206	67	68	60	75
4588208	63	65	52	73
4588209	80	82	58	94
4588210	66	67	49	69
4588211	65	65	59	75
4588212	80	80	62	95
4588213	85	88	72	186*
4588214	96	92	90	200*
4588215	81	83	74	106
4588216	87	87	79	101
4588219	90	91	82	103
Blank	91	91	78	105
LCS	93	94	79	104
MS	64	65	57	79
MSD	60	62	48	71
Limits:	45-120	50-118	46-136	47-128
	2-Fluorobiphenyl	Terphenyl-d14		

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Surrogate Quality Control

4588204	69	77
4588205	85	104
4588206	65	69
4588208	64	69
4588209	83	86
4588210	50*	15*
4588211	63	58
4588212	78	88
4588213	90	120
4588214	107	103
4588215	87	78
4588216	86	93
4588219	90	99
Blank	88	97
LCS	87	98
MS	65	75
MSD	61	71

Limits: 55-123 51-158

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05234WAB026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4588221	61	36	92	94
Blank	67	41	101	97
LCS	67	42	94	98
LCSD	66	41	92	94

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
4588221	94	102
Blank	95	102
LCS	96	103
LCSD	93	99

Limits: 64-112 52-151

Analysis Name: Pesticides/PCBs in Solids  
Batch number: 052350001A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4588211	86	111
4588212	321*	1634*
4588213	1434*	9790*
4588214	72	805*
4588215	62	91
4588216	88	107
4588217	0*	0*
Blank	97	107
LCS	95	105
MS	83	108
MSD	84	110

Limits: 58-149 62-159

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Surrogate Quality Control

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05239SLA026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4588217	95	80	88	99
4588220	84	87	75	125
Blank	86	91	79	82
LCS	100	102	86	95
MS	87	91	82	132*
MSD	94	94	84	118

Limits: 45-120 50-118 46-136 47-128

	2-Fluorobiphenyl	Terphenyl-d14
4588217	92	142
4588220	93	100
Blank	87	92
LCS	95	110
MS	95	102
MSD	98	99

Limits: 55-123 51-158

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05241SLB026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4588207	89	86	84	78
Blank	89	94	86	90
LCS	97	100	94	96
MS	96	99	86	95
MSD	97	99	86	94

Limits: 45-120 50-118 46-136 47-128

	2-Fluorobiphenyl	Terphenyl-d14
4588207	84	97
Blank	91	97
LCS	93	110
MS	93	103
MSD	91	101

Limits: 55-123 51-158

Analysis Name: 8260 Special Cmpds for Soils  
Batch number: Q052363AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588218	107	106	98	95
Blank	86	83	77	78
LCS	101	99	93	95
LCSD	105	104	96	98

Limits: 70-129 70-121 70-130 70-128

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Surrogate Quality Control

Analysis Name: 8260 Special Cmpds for Soils

Batch number: Q052363AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588220	71	70	55*	85
Blank	86	87	77	77
LCS	101	99	93	95
LCSD	105	104	96	98
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Soils

Batch number: Q052382AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588214	72	72	55*	100
Blank	83	81	71	75
LCS	103	103	97	96
LCSD	104	103	97	97
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Soils

Batch number: Q052382AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588212	73	72	53*	61*
4588213	40*	66*	34*	33*
Blank	91	89	77	78
LCS	103	103	97	96
LCSD	104	103	97	97
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Soils

Batch number: Q052412AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588217	72	73	64*	64*
Blank	91	89	77	78
LCS	113	115	101	103
LCSD	102	104	92	94
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Waters

Batch number: T052342AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588221	102	91	96	103
Blank	100	91	93	103
LCS	97	91	95	105
LCSD	96	94	95	107
MS	96	89	94	105
Limits:	81-120	82-112	85-112	83-113

Analysis Name: 8260 Special Cmpds for Soils

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 09:28 PM

Group Number: 956234

### Surrogate Quality Control

Batch number: X052351AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588204	94	86	115	75
Blank	89	88	90	90
LCS	89	87	93	88
LCSD	90	86	93	89
MS	89	89	93	90
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Soils

Batch number: X052371AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588205	90	87	104	81
4588206	91	91	99	80
4588207	91	91	93	89
4588208	91	88	96	85
4588209	92	89	100	82
4588210	134*	94	127	71
4588211	94	92	109	175*
4588215	91	90	116	76
4588216	90	90	92	89
4588219	90	90	92	91
Blank	89	92	93	89
LCS	92	89	94	88
MS	97	97	118	66*
MSD	93	96	112	70
Limits:	70-129	70-121	70-130	70-128

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.





# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 956234

Sample Nos.: 4588204-21

Acc't No.: 11549

SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: 3.5-4.5°C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix		Analyses Requested												Remarks:	
Project Manager: _____		Quote #: _____																	
Project Name/#: <u>Former Metro Container Investigation</u>																			
Sampler: _____																			
P.O. #: _____																			
Name of state where samples were collected: <u>PA</u>																			
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pests/PCBs	Phenol	Cyanide	Moisture		
05-MET-037	8/19/05	0800	X		X			4	X	X	X	X	X	X	X	X	X		N(4-4.5)
05-MET-039	"	0900	X		X			4	X	X	X	X	X	X	X	X	X		N(2.5'-3')
05-MET-042	"	0950	X		X			4	X	X	X	X	X	X	X	X	X		N(2'-2.5')
05-MET-042A	"	1000	X		X			4	X	X	X	X	X	X	X	X	X		N(2'-2.5')
05-MET-047	"	1050	X		X			4	X	X	X	X	X	X	X	X	X		N(2'-2.5')
05-MET-043	"	1130	X		X			4	X	X	X	X	X	X	X	X	X		N(4-4.5')
05-MET-038	"	1150	X		X			4	X	X	X	X	X	X	X	X	X		N(4.5'-5')
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush																			
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)																			
Date results are needed: _____																			
Rush results requested by (please circle): Fax Email																			
Fax #: _____ Email address: _____																			
Data Package Options (please circle if required)																			
QC Summary																			
Type I (Tier I)																			
Type II (Tier II)																			
Type III (NJ Reduced Del.)																			
Type IV (CLP)																			
Type VI (Raw Data)																			
GLP																			
Other																			
SDG Complete? Yes No																			
Site specific QC required? Yes No																			
(If yes, indicate QC sample and submit triplicate volume.)																			
Internal chain of custody required? Yes No																			
Relinquished by: _____																			
Date: _____ Time: _____																			
Relinquished by: _____																			
Date: _____ Time: _____																			

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR102542



**For Lancaster Laboratories use only**

Sample Nos.: 4588204-21

SCR No.:

Cooler temperature upon receipt: 3.8-4.5°C

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

**Copies:** White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR102543



# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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REVISED

**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 956235. Samples arrived at the laboratory on Friday, August 19, 2005. The PO# for this group is 2111133.5640.010101.

**Client Description****Lancaster Labs Number**

EB081905W Equipment Blank Grab Water Sample	4588222
05-MET-037 Grab Water Sample	4588223
05-MET-037 Filtered Grab Water Sample	4588224
05-MET-039 Grab Water Sample	4588225
05-MET-039 Filtered Grab Water Sample	4588226
05-MET-042 Grab Water Sample	4588227
05-MET-042 Filtered Grab Water Sample	4588228
05-MET-047 Grab Water Sample	4588229
05-MET-047 Filtered Grab Water Sample	4588230
TB081905W Trip Blank Water Sample	4588231

1 COPY TO

Montgomery Watson Harza

Attn: [REDACTED]

REVISED

Questions? Contact your Client Services Representative  
[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Senior Specialist

Lancaster Laboratories Sample No. WW 4588222

**EB081905W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/19/2005 14:00

by ■

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 10/04/2005 at 16:32

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB819

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599 PPL Pesticides + Methoxychlor							
01600	Alpha BHC	319-84-6	N.D.	0.0024	0.012	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.014	0.048	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0024	0.012	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0045	0.012	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0024	0.012	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0059	0.024	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0024	0.012	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0048	0.024	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0071	0.024	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0071	0.024	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.012	0.036	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0048	0.024	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.083	0.59	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.36	1.2	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0048	0.024	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0024	0.012	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0071	0.024	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.027	0.12	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.12	0.59	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.13	0.59	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.12	0.59	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.12	0.59	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102548

Lancaster Laboratories Sample No. WW 4588222

**EB081905W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/19/2005 14:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 10/04/2005 at 16:32

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB819

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.12	0.59	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.17	0.59	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.12	0.59	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.036	0.12	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102549



Lancaster Laboratories Sample No. WW 4588222

**EB081905W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/19/2005 14:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 10/04/2005 at 16:32

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB819

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102550

Lancaster Laboratories Sample No. WW 4588222

**EB081905W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/19/2005 14:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 10/04/2005 at 16:32

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB819

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4588222

**EB081905W Equipment Blank Grab Water Sample**  
**EB**  
**Former Metro Container Investigation**

Collected: 08/19/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 10/04/2005 at 16:32

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EB819

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 08:41	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/23/2005 15:18	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/23/2005 05:50	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/23/2005 05:50	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/23/2005 05:50	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/23/2005 05:50	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/23/2005 05:50	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/23/2005 05:50	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/23/2005 05:50	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/23/2005 05:50	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/23/2005 05:50	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/23/2005 05:50	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 05:50	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/25/2005 15:08	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:31	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 07:42	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/29/2005 20:06	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/26/2005 02:43	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 06:15	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/22/2005 17:15	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/22/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 06:15	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/22/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/23/2005 11:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/24/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/23/2005 14:55	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102552

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4588222  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: SH08363.i/05aug22b.b/tg22s46.d  
Level: (low/med) LOW Date Received: 08/19/05  
% Moisture: not dec. Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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6.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR102553

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4588222  
Sample wt/vol: 1050 (g/mL) mL Lab File ID: oh0904.d  
Level: (low/med) LOW Date Received: 08/19/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/22/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/26/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR102554

Lancaster Laboratories Sample No. WW 4588223

05-MET-037 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/19/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 10/04/2005 at 16:33

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

537--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	1.3 J	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	42.5	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	9.5 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	13.3	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	4.9	25.0	ug/l	5
	The quantitation limit for cadmium was increased due to the nature of the sample matrix.						
07051	Chromium	7440-47-3	493.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	288.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	260.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	296.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,350.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	25. J	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	0.037 J	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	0.27	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	1.9	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	2.9	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102555

Lancaster Laboratories Sample No. WW 4588223

05-MET-037 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:33  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

537--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4588223

05-MET-037 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:33  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

537--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

07582 PPL Volatiles



Lancaster Laboratories Sample No. WW 4588223

05-MET-037 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:33  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

537--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.5 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR102558

Lancaster Laboratories Sample No. WW 4588223

05-MET-037 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 10/04/2005 at 16:33

P.O. Box 7009

Discard: 11/04/2005

Pasadena CA 91109-7009

537--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 08:43	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/23/2005 15:33	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/23/2005 05:55	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/23/2005 05:55	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/23/2005 05:55	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/23/2005 05:55	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/23/2005 16:31	[REDACTED]	5
07051	Chromium	SW-846 6010B	1	08/23/2005 05:55	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/23/2005 05:55	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/23/2005 05:55	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/23/2005 05:55	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/23/2005 05:55	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 05:55	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/25/2005 15:09	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:32	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 08:03	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/29/2005 21:06	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/26/2005 03:05	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 06:39	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/22/2005 17:15	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/22/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 06:39	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/22/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1

\*This limit was used in the evaluation of the final result

AR102559



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8  
REVISED

Lancaster Laboratories Sample No. WW 4588223

05-MET-037 Grab Water Sample

N(0-15)

Former Metro Container Investigation

Collected: 08/19/2005 08:00

by

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 10/04/2005 at 16:33

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

537--

07786	EDB Extraction	SW-846 8011
08123	Phenol Distillation (SW-846)	SW-846 9065
08256	Cyanide Water Distillation	SW-846 9012A

1	08/23/2005 11:00		1
1	08/24/2005 14:20		1
1	08/23/2005 14:55		1

\*=This limit was used in the evaluation of the final result

AR102560

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4588223  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: SH08363.i/05aug22b.b/tg22s47.d  
Level: (low/med) LOW Date Received: 08/19/05  
% Moisture: not dec. Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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5.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR102561

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 537--  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) WATER Lab Sample ID: 4588223  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0905.d  
Level: (low/med) LOW Date Received: 08/19/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/22/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/26/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR102562



# Analysis Report

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Page 1 of 2  
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Lancaster Laboratories Sample No. WW 4588224

05-MET-037 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:33  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F537-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.31	1.0	ug/l	5
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	1.5 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	80.6	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	149.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 08:45	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/23/2005 15:38	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/23/2005 06:00	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/23/2005 06:00	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/23/2005 06:00	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/23/2005 06:00	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/23/2005 06:00	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/23/2005 06:00	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/23/2005 06:00	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/23/2005 06:00	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/23/2005 06:00	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/23/2005 06:00	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 06:00	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/22/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102563

**Lancaster Laboratories Sample No. WW 4588224**

**05-MET-037 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation**

Collected: 08/19/2005 08:00

by ■

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 10/04/2005 at 16:33

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

F537-

Lancaster Laboratories Sample No. WW 4588225

05-MET-039 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/19/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:34  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

539--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	4.9	0.62	2.0	ug/l	10
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	39.6	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	16.5	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	591.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	132.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	137.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	352.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,550.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	18.	60.	ug/l	1
	Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.						
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	0.11	0.0019	0.0095	ug/l	1
01601	Beta BHC	319-85-7	0.017 J	0.011	0.038	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0095	ug/l	1
01603	Delta BHC	319-86-8	0.024	0.0036	0.0095	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0095	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	0.0053 J	0.0019	0.0095	ug/l	1
01607	p,p-DDE	72-55-9	0.010 J	0.0038	0.019	ug/l	1
01608	p,p-DDD	72-54-8	0.018 J	0.0057	0.019	ug/l	1
01609	p,p-DDT	50-29-3	0.0063 J	0.0057	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0095	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0038	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.067	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.95	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0038	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0095	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0057	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.095	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102565



Lancaster Laboratories Sample No. WW 4588225

05-MET-039 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/19/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:34  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

539--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	0.095	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.10	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.095	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.095	0.48	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	0.095	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.095	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.095	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0092	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4588225

05-MET-039 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/19/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:34  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

539--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	11. J	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	17. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	15. J	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	11. J	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	11. J	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

07582 PPL Volatiles

Lancaster Laboratories Sample No. WW 4588225

05-MET-039 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/19/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:34  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

539--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR102568

Lancaster Laboratories Sample No. WW 4588225

05-MET-039 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/19/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 10/04/2005 at 16:34

P.O. Box 7009

Discard: 11/04/2005

Pasadena CA 91109-7009

539--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 08:46	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/23/2005 15:43	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/23/2005 06:05	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/23/2005 06:05	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/23/2005 06:05	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/23/2005 06:05	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/23/2005 06:05	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/23/2005 06:05	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/23/2005 06:05	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/23/2005 06:05	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/23/2005 06:05	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/23/2005 06:05	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 06:05	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/25/2005 15:11	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:33	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 08:24	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/29/2005 21:36	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/26/2005 03:26	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 07:04	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/22/2005 17:15	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/22/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 07:04	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/22/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1

\*This limit was used in the evaluation of the final result

AR102569

**Lancaster Laboratories Sample No. WW 4588225****05-MET-039 Grab Water Sample****N(0-12)****Former Metro Container Investigation**

Collected: 08/19/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 10/04/2005 at 16:34

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

539--

07786	EDB Extraction	SW-846 8011
08123	Phenol Distillation (SW-846)	SW-846 9065
08256	Cyanide Water Distillation	SW-846 9012A

1	08/23/2005 11:00	[REDACTED]	1
1	08/24/2005 14:20	[REDACTED]	1
1	08/23/2005 14:55	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4588225  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: SH08363.i/05aug22b.b/tg22s48.d  
Level: (low/med) LOW Date Received: 08/19/05  
% Moisture: not dec. Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.83	14	J
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page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 539--  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) WATER Lab Sample ID: 4588225  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0906.d  
Level: (low/med) LOW Date Received: 08/19/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/22/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/26/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 5 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Alkene	2.690	56	J
2.	Unknown	7.191	730	J
3.	Unknown Alkane	7.301	480	J
4.	Unknown	11.126	53	J
5.	Unknown	11.753	72	J
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page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR102572



# Analysis Report

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Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4588226

05-MET-039 Filtered Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/19/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:34  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F539-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.31	1.0	ug/l	5
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	6.2	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	1.8 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	287.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	648.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 08:48	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/23/2005 15:47	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/23/2005 06:10	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/23/2005 06:10	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/23/2005 06:10	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/23/2005 06:10	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/23/2005 06:10	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/23/2005 06:10	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/23/2005 06:10	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/23/2005 06:10	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/23/2005 06:10	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/23/2005 06:10	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 06:10	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/22/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102573





# ***Analysis Report***

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Page 2 of 2  
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**Lancaster Laboratories Sample No. WW 4588226**

**05-MET-039 Filtered Grab Water Sample  
N(0-12)  
Former Metro Container Investigation**

Collected: 08/19/2005 09:00 by ■

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:34  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F539-

\*=This limit was used in the evaluation of the final result

AR102574

Lancaster Laboratories Sample No. WW 4588227

05-MET-042 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/19/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:34  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

542--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	1.2	4.0	ug/l	20
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	12.2 J	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	8.7	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	106.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	49.4	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	58.6	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	142.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	672.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	45.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
	Matrix QC was performed on this sample for the cyanide analysis. Please see the attached QC Summary report for the parameter showing a matrix bias.						
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	0.040 J	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	0.12 J	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102575

Lancaster Laboratories Sample No. WW 4588227

05-MET-042 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/19/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:34  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

542--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0094	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102576

Lancaster Laboratories Sample No. WW 4588227

05-MET-042 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/19/2005 10:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:34  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

542--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

07582 PPL Volatiles

Lancaster Laboratories Sample No. WW 4588227

05-MET-042 Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/19/2005 10:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:34  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

542--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	1. J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	2. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR102578

Lancaster Laboratories Sample No. WW 4588227

05-MET-042 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/19/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 10/04/2005 at 16:34

P.O. Box 7009

Discard: 11/04/2005

Pasadena CA 91109-7009

542--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 08:49	[REDACTED]	20
07022	Thallium	SW-846 6010B	1	08/23/2005 15:52	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/23/2005 06:25	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/23/2005 06:25	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/23/2005 06:25	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/23/2005 06:25	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/23/2005 06:25	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/23/2005 06:25	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/23/2005 06:25	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/23/2005 06:25	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/23/2005 06:25	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/23/2005 06:25	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 06:25	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/25/2005 15:12	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 19:37	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 08:44	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/29/2005 22:06	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/26/2005 03:48	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 07:29	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/22/2005 17:15	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/22/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 07:29	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/22/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102579



# Analysis Report

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Page 6 of 8  
REVISED

Lancaster Laboratories Sample No. WW 4588227

05-MET-042 Grab Water Sample

N(0-12)

Former Metro Container Investigation

Collected: 08/19/2005 10:00

by

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 10/04/2005 at 16:34

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

542--

07786	EDB Extraction	SW-846 8011
08123	Phenol Distillation (SW-846)	SW-846 9065
08256	Cyanide Water Distillation	SW-846 9012A

1	08/23/2005 11:00		1
1	08/24/2005 14:20		1
1	08/23/2005 14:55		1

\*=This limit was used in the evaluation of the final result

AR102580

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4588227  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: SH08363.i/05aug22b.b/tg22s49.d  
Level: (low/med) LOW Date Received: 08/19/05  
% Moisture: not dec. Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.83	3	J
2.				
3.				
4.				
5.				
6.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR102581



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 542--  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) WATER Lab Sample ID: 4588227  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0907.d  
Level: (low/med) LOW Date Received: 08/19/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/22/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/26/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 1 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.090	47	JB
2.				
3.				
4.				
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29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR102582



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1  
REVISED

Lancaster Laboratories Sample No. WW 4588228

05-MET-042 Filtered Grab Water Sample  
N(0-12)  
Former Metro Container Investigation

Collected: 08/19/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:35  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F542-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method Detection Limit*	Limit of Quantitation		
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	54.0	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	64.4	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/25/2005 08:50	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/23/2005 15:57	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/23/2005 06:30	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/23/2005 06:30	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/23/2005 06:30	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/23/2005 06:30	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/23/2005 06:30	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/23/2005 06:30	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/23/2005 06:30	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/23/2005 06:30	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/23/2005 06:30	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/23/2005 06:30	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 06:30	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/22/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102583

Lancaster Laboratories Sample No. WW 4588229

05-MET-047 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:35  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

547--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	13.3	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	185.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	867.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	229.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	41.8	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	113.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	5
07051	Chromium	7440-47-3	6,030.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	5,070.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	9,190.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	2,560.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	5.8	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	19,700.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	170.	18.	60.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	0.041 J	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	0.44	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	0.11 J	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	1.2	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	0.67	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102584

Lancaster Laboratories Sample No. WW 4588229

05-MET-047 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:35  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

547--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4588229

05-MET-047 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:35  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

547--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	15. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	24. J	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	11. J	10.	50.	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4588229

05-MET-047 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 11:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:35  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

547--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

AR102587

Lancaster Laboratories Sample No. WW 4588229

05-MET-047 Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:35  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

547--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	2	08/25/2005 08:56	[REDACTED]	50
07022	Thallium	SW-846 6010B	2	08/23/2005 16:07	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/23/2005 06:39	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/23/2005 06:39	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/23/2005 06:39	[REDACTED]	1
07047	Beryllium	SW-846 6010B	2	08/23/2005 06:39	[REDACTED]	1
07049	Cadmium	SW-846 6010B	2	08/23/2005 16:36	[REDACTED]	5
07051	Chromium	SW-846 6010B	2	08/23/2005 06:39	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/23/2005 06:39	[REDACTED]	1
07055	Lead	SW-846 6010B	2	08/23/2005 06:39	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/23/2005 06:39	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/23/2005 06:39	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/23/2005 06:39	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/25/2005 15:15	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:22	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 09:05	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/29/2005 22:37	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/26/2005 04:09	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 15:37	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/22/2005 17:15	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/22/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 15:37	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/22/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/23/2005 11:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/24/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102588

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4588229  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: SH08363.i/05aug23a.b/tg23s10.d  
Level: (low/med) LOW Date Received: 08/19/05  
% Moisture: not dec. Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: 547--  
Lab Code: LANCAS Case No.: SAS No.: SDG No.:  
Matrix: (soil/water) WATER Lab Sample ID: 4588229  
Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0908.d  
Level: (low/med) LOW Date Received: 08/19/05  
% Moisture: Decanted: (Y/N) Date Extracted: 08/22/05  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/26/05  
Injection Volume: 1 (uL) Dilution Factor: 1  
GPC Cleanup: N pH: Extraction: Sepf  
CONCENTRATION UNITS:  
Number TICs found: 1 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Alkene	2.690	41	J
2.				
3.				
4.				
5.				
6.				
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29.				
30.				

page 1 of 1

FORM I SV-1

\*=This limit was used in the evaluation of the final result

AR102590



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4588230

05-MET-047 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:35  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

F547-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	10.7	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
	The quantitation limits for the ICP analyses were increased due to the nature of the sample matrix.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

After receipt the pH of the metals container for this sample was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	2	08/25/2005 08:54	[REDACTED]	1
07022	Thallium	SW-846 6010B	2	08/23/2005 16:02	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/23/2005 06:34	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/23/2005 06:34	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/23/2005 06:34	[REDACTED]	1
07047	Beryllium	SW-846 6010B	2	08/23/2005 06:34	[REDACTED]	1
07049	Cadmium	SW-846 6010B	2	08/23/2005 06:34	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/23/2005 06:34	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/23/2005 06:34	[REDACTED]	1
07055	Lead	SW-846 6010B	2	08/23/2005 06:34	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/23/2005 06:34	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/23/2005 06:34	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/23/2005 06:34	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102591



# Analysis Report

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Page 2 of 2  
REVISED

Lancaster Laboratories Sample No. WW 4588230

05-MET-047 Filtered Grab Water Sample  
N(0-15)  
Former Metro Container Investigation

Collected: 08/19/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 10/04/2005 at 16:35

Discard: 11/04/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

F547-

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A
05713	WW SW846 Hg Digest	SW-846 7470A

1	08/22/2005 19:30	[REDACTED]	1
1	08/24/2005 20:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102592

Lancaster Laboratories Sample No. WW 4588231

**TB081905W Trip Blank Water Sample**  
**TB**  
**Former Metro Container Investigation**

Collected: 08/19/2005

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:35  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB5W-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102593

Lancaster Laboratories Sample No. WW 4588231

TB081905W Trip Blank Water Sample  
TB  
Former Metro Container Investigation

Collected: 08/19/2005

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 10/04/2005 at 16:35  
Discard: 11/04/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB5W-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search  
The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/29/2005 23:07		1
07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 08:41		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 08:41		n.a.
07786	EDB Extraction	SW-846 8011	1	08/23/2005 11:00		1

\* = This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4588231  
Sample wt/vol: 5.0 (g/mL)mL Lab File ID: SH08363.i/05aug22b.b/tg22s52.d  
Level: (low/med) LOW Date Received: 08/19/05  
% Moisture: not dec. Date Analyzed: 08/23/05  
Column: (pack/cap) CAP Dilution Factor: 1.0  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*=This limit was used in the evaluation of the final result

AR102595

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:35 PM

Group Number: 956235

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052340008A	Sample number(s): 4588222-4588223, 4588225, 4588227, 4588229								
Alpha BHC	N.D.	0.0020	0.010	ug/l	110	110	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	110	110	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	110	110	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	100	100	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	99	100	45-130	1	20
Aldrin	N.D.	0.0050	0.020	ug/l	85	89	47-122	5	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	110	110	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	90	90	44-154	0	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	95	95	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	95	95	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	105	100	71-129	5	20
Endrin	N.D.	0.0040	0.020	ug/l	70	95	62-135	30*	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	110	100	66-131	10	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	100	100	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	110	100	36-158	9	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	98	99	49-155	1	20
Batch number: 052340015A	Sample number(s): 4588222-4588223, 4588225, 4588227, 4588229, 4588231								
Ethylene dibromide	N.D.	0.010	0.030	ug/l	100	96	60-140	4	20
Batch number: 052341848002	Sample number(s): 4588222-4588230								
Thallium	N.D.	0.0100	0.0200	mg/l	100		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	104		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	98		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	100		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	110		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	109		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	104		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	103		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	102		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	107		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	110		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	108		90-112		

\*- Outside of specification

\*\*- This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:35 PM

Group Number: 956235

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 05234WAB026 Sample number(s): 4588222-4588223, 4588225, 4588227, 4588229									
1,4-Dioxane	N.D.	1.	5.	ug/l	56	59	43-73	6	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	97	97	65-107	1	30
2-Chlorophenol	N.D.	1.	5.	ug/l	89	91	63-112	2	30
Phenol	N.D.	1.	5.	ug/l	41	42	29-57	1	30
2-Nitrophenol	N.D.	1.	5.	ug/l	105	104	83-119	1	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	87	84	60-107	4	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	93	91	66-110	2	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	93	94	48-114	0	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	91	92	69-111	1	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	82	89	44-130	8	30
4-Nitrophenol	N.D.	10.	30.	ug/l	44	43	16-75	2	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	90	90	56-130	1	30
Pentachlorophenol	N.D.	3.	15.	ug/l	82	86	48-108	4	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	65	63	39-84	3	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	86	88	57-110	3	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	90	89	52-102	1	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	90	91	54-103	1	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	85	86	58-99	1	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	110	111	68-133	1	30
Hexachloroethane	N.D.	1.	5.	ug/l	88	88	33-106	0	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	88	89	56-109	2	30
Nitrobenzene	N.D.	1.	5.	ug/l	91	93	61-111	2	30
Isophorone	N.D.	1.	5.	ug/l	86	87	63-105	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	98	98	69-119	0	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	91	91	62-101	1	30
Naphthalene	N.D.	1.	5.	ug/l	93	91	70-102	2	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	93	91	33-118	2	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	95	96	14-169	1	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	75	75	56-100	1	30
Acenaphthylene	N.D.	1.	5.	ug/l	106	106	65-120	0	30
Dimethylphthalate	N.D.	2.	5.	ug/l	89	89	46-109	1	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	92	93	70-108	1	30
Acenaphthene	N.D.	1.	5.	ug/l	92	93	68-111	2	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	95	98	75-122	2	30
Fluorene	N.D.	1.	5.	ug/l	89	89	61-116	1	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	90	89	65-110	1	30
Diethylphthalate	N.D.	2.	5.	ug/l	92	94	61-110	2	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	89	90	62-106	1	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	93	94	63-104	1	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	93	95	67-110	2	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	90	89	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	94	93	68-111	1	30
Anthracene	N.D.	1.	5.	ug/l	92	93	68-108	0	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	96	97	63-113	1	30
Fluoranthene	N.D.	1.	5.	ug/l	90	92	66-108	2	30
Pyrene	N.D.	1.	5.	ug/l	95	94	68-114	2	30
Benzidine	N.D.	20.	60.	ug/l	74	78	20-134	5	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	97	96	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	89	89	72-112	0	30
Chrysene	N.D.	1.	5.	ug/l	94	94	70-111	0	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	53	62	39-116	16	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	94	93	62-126	1	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	109	107	58-118	1	30

\*- Outside of specification

\*\*- This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:35 PM

Group Number: 956235

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	104	105	67-117	1	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	101	97	67-120	5	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	107	105	68-121	2	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	103	101	67-122	2	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	109	108	71-129	1	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	104	102	67-121	2	30
Batch number: 05235117101B	Sample number(s): 4588222-4588223, 4588225, 4588227								
Total Cyanide	N.D.	0.0050	0.010	mg/l	100		90-110		
Batch number: 05236117101A	Sample number(s): 4588229								
Total Cyanide	0.0059 J	0.0050	0.010	mg/l	100		90-110		
Batch number: 05236120102A	Sample number(s): 4588222-4588223, 4588225, 4588227, 4588229								
Phenols	N.D.	0.0090	0.030	mg/l	98	96	83-108	1	20
Batch number: 052365713003	Sample number(s): 4588222-4588230								
Mercury	N.D.	0.00006	0.00020	mg/l	107		80-120		
		2							
Batch number: T052342AA	Sample number(s): 4588222-4588223, 4588225, 4588227, 4588231								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	88	89	77-127	1	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	101	104	57-141	4	30
Chloromethane	N.D.	1.	5.	ug/l	111	104	59-177	6	30
Vinyl Chloride	N.D.	1.	5.	ug/l	100	98	71-134	2	30
Bromomethane	N.D.	1.	5.	ug/l	100	100	62-131	1	30
Chloroethane	N.D.	1.	5.	ug/l	100	99	67-127	1	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	99	95	70-148	4	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	96	95	79-130	1	30
Methylene Chloride	N.D.	2.	5.	ug/l	102	102	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	97	96	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	99	97	83-127	2	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	97	96	84-117	1	30
Chloroform	N.D.	0.8	5.	ug/l	107	104	86-124	3	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	106	103	83-127	2	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	101	98	77-130	2	30
Benzene	N.D.	0.5	5.	ug/l	97	95	85-117	2	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	114	113	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	102	97	87-117	4	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	97	98	80-117	0	30
Bromodichloromethane	N.D.	1.	5.	ug/l	102	100	83-121	3	30
Toluene	N.D.	0.7	5.	ug/l	97	97	85-115	0	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	96	97	86-113	0	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	89	91	74-125	1	30
Dibromochloromethane	N.D.	1.	5.	ug/l	104	105	78-119	1	30
Chlorobenzene	N.D.	0.8	5.	ug/l	89	90	85-115	1	30
Ethylbenzene	N.D.	0.8	5.	ug/l	88	87	82-119	1	30
Bromoform	N.D.	1.	5.	ug/l	95	94	69-118	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	93	95	72-119	1	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	87	86	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	91	90	78-114	2	30
Xylene (Total)	N.D.	0.8	5.	ug/l	90	89	83-113	1	30
Acrylonitrile	N.D.	4.	20.	ug/l	102	101	55-137	1	30
Acrolein	N.D.	40.	100.	ug/l	90	89	28-146	1	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	96	96	53-133	0	30

\*- Outside of specification

\*\*- This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:35 PM

Group Number: 956235

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: T052351AA	Sample number(s): 4588229								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	87	90	77-127	3	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	103	103	57-141	0	30
Chloromethane	N.D.	1.	5.	ug/l	106	106	59-177	1	30
Vinyl Chloride	N.D.	1.	5.	ug/l	96	100	71-134	4	30
Bromomethane	N.D.	1.	5.	ug/l	82	84	62-131	2	30
Chloroethane	N.D.	1.	5.	ug/l	94	101	67-127	6	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	100	98	70-148	2	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	92	94	79-130	2	30
Methylene Chloride	N.D.	2.	5.	ug/l	103	106	80-128	3	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	93	97	81-124	3	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	95	99	83-127	4	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	93	98	84-117	5	30
Chloroform	N.D.	0.8	5.	ug/l	104	106	86-124	3	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	102	104	83-127	2	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	99	100	77-130	2	30
Benzene	N.D.	0.5	5.	ug/l	94	98	85-117	4	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	115	116	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	97	101	87-117	5	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	96	99	80-117	2	30
Bromodichloromethane	N.D.	1.	5.	ug/l	98	103	83-121	4	30
Toluene	N.D.	0.7	5.	ug/l	93	96	85-115	3	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	96	95	86-113	0	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	86	87	74-125	2	30
Dibromochloromethane	N.D.	1.	5.	ug/l	100	101	78-119	0	30
Chlorobenzene	N.D.	0.8	5.	ug/l	86	89	85-115	3	30
Ethylbenzene	N.D.	0.8	5.	ug/l	83	85	82-119	2	30
Bromoform	N.D.	1.	5.	ug/l	92	93	69-118	2	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	92	94	72-119	2	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	84	86	79-114	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	89	91	78-114	3	30
Xylene (Total)	N.D.	0.8	5.	ug/l	86	88	83-113	2	30
Acrylonitrile	N.D.	4.	20.	ug/l	99	100	55-137	1	30
Acrolein	N.D.	40.	100.	ug/l	87	88	28-146	1	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	91	94	53-133	4	30

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052340015A	Sample number(s): 4588222-4588223, 4588225, 4588227, 4588229, 4588231							
Ethylene dibromide	87		65-135		N.D.	N.D.	0 (1)	30
Batch number: 052341848002	Sample number(s): 4588222-4588230							
Thallium	102	101	89-112	0	20	N.D.	N.D.	117* (1)
Arsenic	106	105	86-119	1	20	N.D.	N.D.	45* (1)
Selenium	99	98	75-125	1	20	N.D.	N.D.	21* (1)
Antimony	101	100	75-125	2	20	N.D.	N.D.	41* (1)
Beryllium	112	110	91-117	2	20	N.D.	N.D.	63* (1)
Cadmium	107	106	87-117	1	20	N.D.	N.D.	40* (1)

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:35 PM

Group Number: 956235

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Chromium	104	102	86-118	2	20	N.D.	N.D.	16 (1) 20
Copper	107	106	89-119	1	20	N.D.	N.D.	27* (1) 20
Lead	102	101	87-118	1	20	N.D.	N.D.	161* (1) 20
Nickel	107	105	91-111	1	20	N.D.	N.D.	30* (1) 20
Silver	111	110	75-125	1	20	N.D.	N.D.	52* (1) 20
Zinc	105	103	80-120	2	20	N.D.	N.D.	14 (1) 20
Batch number: 05235117101B	Sample number(s): 4588222-4588223,4588225,4588227							
Total Cyanide	28*		82-114			N.D.	N.D.	0 (1) 20
Batch number: 05236117101A	Sample number(s): 4588229							
Total Cyanide	90		82-114			N.D.	N.D.	29* (1) 20
Batch number: 052365713003	Sample number(s): 4588222-4588230							
Mercury	110	113	80-120	3	20	N.D.	N.D.	56* (1) 20
Batch number: T052342AA	Sample number(s): 4588222-4588223,4588225,4588227,4588231							
Methyl Tertiary Butyl Ether	85		69-134					
t-Butyl alcohol	92		51-147					
Chloromethane	114		72-208					
Vinyl Chloride	111		81-150					
Bromomethane	116		59-143					
Chloroethane	110		63-142					
Trichlorofluoromethane	120		77-177					
1,1-Dichloroethene	104		87-145					
Methylene Chloride	103		79-133					
trans-1,2-Dichloroethene	103		82-133					
1,1-Dichloroethane	102		85-135					
cis-1,2-Dichloroethene	100		83-126					
Chloroform	111		82-131					
1,1,1-Trichloroethane	112		81-142					
Carbon Tetrachloride	112		79-155					
Benzene	103		83-128					
1,2-Dichloroethane	116		73-136					
Trichloroethene	105		83-136					
1,2-Dichloropropane	100		83-129					
Bromodichloromethane	107		80-129					
Toluene	102		83-127					
1,1,2-Trichloroethane	97		77-125					
Tetrachloroethene	97		78-133					
Dibromochloromethane	107		73-119					
Chlorobenzene	93		83-120					
Ethylbenzene	91		82-129					
Bromoform	96		64-119					
1,1,2,2-Tetrachloroethane	94		69-121					
trans-1,3-Dichloropropene	88		75-117					
cis-1,3-Dichloropropene	93		76-117					
Xylene (Total)	94		82-130					
Acrylonitrile	98		54-132					
Acrolein	83		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					
Batch number: T052351AA	Sample number(s): 4588229							
Methyl Tertiary Butyl Ether	85		69-134					

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:35 PM

Group Number: 956235

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
t-Butyl alcohol	102		51-147					
Chloromethane	108		72-208					
Vinyl Chloride	108		81-150					
Bromomethane	110		59-143					
Chloroethane	109		63-142					
Trichlorofluoromethane	109		77-177					
1,1-Dichloroethene	99		87-145					
Methylene Chloride	96		79-133					
trans-1,2-Dichloroethene	98		82-133					
1,1-Dichloroethane	99		85-135					
cis-1,2-Dichloroethene	98		83-126					
Chloroform	104		82-131					
1,1,1-Trichloroethane	105		81-142					
Carbon Tetrachloride	100		79-155					
Benzene	95		83-128					
1,2-Dichloroethane	108		73-136					
Trichloroethene	100		83-136					
1,2-Dichloropropane	98		83-129					
Bromodichloromethane	98		80-129					
Toluene	99		83-127					
1,1,2-Trichloroethane	97		77-125					
Tetrachloroethene	88		78-133					
Dibromochloromethane	103		73-119					
Chlorobenzene	89		83-120					
Ethylbenzene	86		82-129					
Bromoform	90		64-119					
1,1,2,2-Tetrachloroethane	88		69-121					
trans-1,3-Dichloropropene	85		75-117					
cis-1,3-Dichloropropene	89		76-117					
Xylene (Total)	87		82-130					
Acrylonitrile	85		54-132					
Acrolein	77		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052340008A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4588222	92	107
4588223	75	66
4588225	82	80
4588227	87	60
4588229	81	76
Blank	94	92
LCS	98	105
LCSD	97	101
Limits:	45-125	47-155

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:35 PM

Group Number: 956235

### Surrogate Quality Control

Analysis Name: EDB in Wastewater  
Batch number: 052340015A  
1,1,2,2-  
Tetrachloroethane

4588222	89
4588223	78
4588225	59
4588227	80
4588229	72
4588231	75
Blank	104
DUP	104
LCS	99
LCSD	101
MS	109

Limits: 52-120

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05234WAB026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4588222	61	37	92	96
4588223	55	33	85	94
4588225	54	35	93	94
4588227	60	39	98	92
4588229	54	35	90	89
Blank	67	41	101	97
LCS	67	42	94	98
LCSD	66	41	92	94

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
4588222	98	104
4588223	92	88
4588225	93	76
4588227	94	88
4588229	94	87
Blank	95	102
LCS	96	103
LCSD	93	99

Limits: 64-112 52-151

Analysis Name: PPL + Xylene (total) by 8260  
Batch number: T052342AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588222	100	87	98	103
4588223	103	90	89	103
4588225	103	91	90	98
4588227	103	89	96	107
4588231	104	91	90	98
Blank	100	91	93	103
LCS	97	91	95	105

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 10/04/05 at 04:35 PM

Group Number: 956235

### Surrogate Quality Control

LCSD	96	94	95	107
MS	96	89	94	105
Limits:	81-120	82-112	85-112	83-113
Analysis Name: PPL + Xylene (total) by 8260				
Batch number: T052351AA				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588229	98	90	95	107
Blank	101	89	92	104
LCS	99	91	94	106
LCSD	100	92	97	108
MS	95	90	96	106
Limits:	81-120	82-112	85-112	83-113

\*- Outside of specification

\*\*- This limit was used in the evaluation of the final result for the blank

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- (2) The background result was more than four times the spike added.

R102604

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**


The sample group for this submittal is 956236. Samples arrived at the laboratory on Friday, August 19, 2005. The PO# for this group is 2111133.5640.010101.

**Client Description**05-MET-027 Grab Water Sample  
05-MET-027 Filtered Grab Water Sample**Lancaster Labs Number**4588232  
4588233

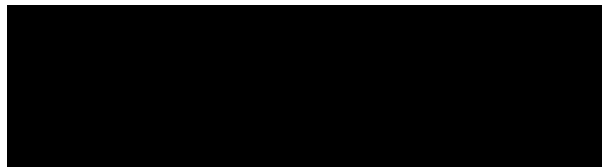
1 COPY TO      Montgomery Watson Harza

Attn: 

Questions? Contact your Client Services Representative

 at (717) 656-2300

Respectfully Submitted,



Senior Chemist

**Lancaster Laboratories Sample No. WW 4588232**
**05-MET-027 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/19/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20  
Reported: 08/30/2005 at 13:36  
Discard: 09/30/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

M027-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury The quantitation limit for mercury was increased due to the nature of the sample matrix.	7439-97-6	N.D.	1.2	4.0	ug/l	20
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	62.1	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	14.2	0.44	5.0	ug/l	1
07049	Cadmium The quantitation limit for cadmium was increased due to the nature of the sample matrix.	7440-43-9	N.D.	4.9	25.0	ug/l	5
07051	Chromium	7440-47-3	166.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	58.4	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	45.2	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	105.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	509.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	170.	18.	60.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.40	2.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	2.4	8.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.40	2.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.76	2.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.40	2.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	1.0	4.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.40	2.0	ug/l	10
01607	p,p-DDE	72-55-9	0.87 J	0.80	4.0	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	1.2	4.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	1.2	4.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	2.0	6.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.80	4.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	14.	100.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	60.	200.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.80	4.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.40	2.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	1.2	4.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	4.6	20.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102607

Lancaster Laboratories Sample No. WW 4588232

05-MET-027 Grab Water Sample

Former Metro Container Investigation

Collected: 08/19/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 13:36

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M027-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	20.	100.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	22.	100.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	20.	100.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	20.	100.	ug/l	10
01623	PCB-1248	12672-29-6	N.D.	20.	100.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	28.	100.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	20.	100.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	6.0	20.	ug/l	10
Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0094	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	100.	500.	ug/l	10
02752	1-Methylnaphthalene	90-12-0	470.	J 100.	500.	ug/l	10
03924	2-Chlorophenol	95-57-8	N.D.	100.	500.	ug/l	10
03925	Phenol	108-95-2	N.D.	100.	500.	ug/l	10
03926	2-Nitrophenol	88-75-5	N.D.	100.	500.	ug/l	10
03927	2,4-Dimethylphenol	105-67-9	N.D.	300.	1,000.	ug/l	10
03928	2,4-Dichlorophenol	120-83-2	N.D.	100.	500.	ug/l	10
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	100.	500.	ug/l	10
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	100.	500.	ug/l	10
03931	2,4-Dinitrophenol	51-28-5	N.D.	2,000.	6,000.	ug/l	10
03932	4-Nitrophenol	100-02-7	N.D.	1,000.	3,000.	ug/l	10
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	500.	1,500.	ug/l	10
03934	Pentachlorophenol	87-86-5	N.D.	300.	1,500.	ug/l	10
03935	N-Nitrosodimethylamine	62-75-9	N.D.	200.	500.	ug/l	10
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	100.	500.	ug/l	10
03937	1,3-Dichlorobenzene	541-73-1	N.D.	100.	500.	ug/l	10
03938	1,4-Dichlorobenzene	106-46-7	N.D.	100.	500.	ug/l	10
03939	1,2-Dichlorobenzene	95-50-1	N.D.	100.	500.	ug/l	10
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	100.	500.	ug/l	10
03941	Hexachloroethane	67-72-1	N.D.	100.	500.	ug/l	10
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	100.	500.	ug/l	10
03943	Nitrobenzene	98-95-3	N.D.	100.	500.	ug/l	10
03944	Isophorone	78-59-1	N.D.	100.	500.	ug/l	10
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	100.	500.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102608

**Lancaster Laboratories Sample No. WW 4588232**
**05-MET-027 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/19/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 13:36

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M027-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	100.	500.	ug/l	10
03947	Naphthalene	91-20-3	100. J	100.	500.	ug/l	10
03948	Hexachlorobutadiene	87-68-3	N.D.	100.	500.	ug/l	10
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	500.	1,500.	ug/l	10
03950	2-Chloronaphthalene	91-58-7	N.D.	100.	500.	ug/l	10
03951	Acenaphthylene	208-96-8	N.D.	100.	500.	ug/l	10
03952	Dimethylphthalate	131-11-3	N.D.	200.	500.	ug/l	10
03953	2,6-Dinitrotoluene	606-20-2	N.D.	100.	500.	ug/l	10
03954	Acenaphthene	83-32-9	170. J	100.	500.	ug/l	10
03955	2,4-Dinitrotoluene	121-14-2	N.D.	100.	500.	ug/l	10
03956	Fluorene	86-73-7	140. J	100.	500.	ug/l	10
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	100.	500.	ug/l	10
03958	Diethylphthalate	84-66-2	N.D.	200.	500.	ug/l	10
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	100.	500.	ug/l	10
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	200.	500.	ug/l	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	100.	500.	ug/l	10
03962	Hexachlorobenzene	118-74-1	N.D.	100.	500.	ug/l	10
03963	Phenanthrene	85-01-8	1,000.	100.	500.	ug/l	10
03964	Anthracene	120-12-7	480. J	100.	500.	ug/l	10
03965	Di-n-butylphthalate	84-74-2	N.D.	200.	500.	ug/l	10
03966	Fluoranthene	206-44-0	380. J	100.	500.	ug/l	10
03967	Pyrene	129-00-0	1,400.	100.	500.	ug/l	10
03968	Benzidine	92-87-5	N.D.	2,000.	6,000.	ug/l	10
03969	Butylbenzylphthalate	85-68-7	N.D.	200.	500.	ug/l	10
03970	Benzo(a)anthracene	56-55-3	1,800.	100.	500.	ug/l	10
03971	Chrysene	218-01-9	2,100.	100.	500.	ug/l	10
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	200.	500.	ug/l	10
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	200.	500.	ug/l	10
03974	Di-n-octylphthalate	117-84-0	N.D.	200.	500.	ug/l	10
03975	Benzo(b)fluoranthene	205-99-2	340. J	100.	500.	ug/l	10
03976	Benzo(k)fluoranthene	207-08-9	N.D.	100.	500.	ug/l	10
03977	Benzo(a)pyrene	50-32-8	320. J	100.	500.	ug/l	10
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	100.	500.	ug/l	10
03979	Dibenz(a,h)anthracene	53-70-3	220. J	100.	500.	ug/l	10
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	100.	500.	ug/l	10

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

\*=This limit was used in the evaluation of the final result

AR102609

Lancaster Laboratories Sample No. WW 4588232

05-MET-027 Grab Water Sample

Former Metro Container Investigation

Collected: 08/19/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 13:36

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

M027-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	1. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	3. J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	8.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	34.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be

\*=This limit was used in the evaluation of the final result

AR102610

**Lancaster Laboratories Sample No. WW 4588232**
**05-MET-027 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/19/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 13:36

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

M027-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
	recovered in an acid preserved sample.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 08:57	<span style="background-color: black; color: black;">[REDACTED]</span>	20
07022	Thallium	SW-846 6010B	1	08/23/2005 16:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/23/2005 06:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/23/2005 06:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/23/2005 06:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/23/2005 06:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/23/2005 16:41	<span style="background-color: black; color: black;">[REDACTED]</span>	5
07051	Chromium	SW-846 6010B	1	08/23/2005 06:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/23/2005 06:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/23/2005 06:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/23/2005 06:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/23/2005 06:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/23/2005 06:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/25/2005 15:16	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:23	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 09:25	<span style="background-color: black; color: black;">[REDACTED]</span>	10
07879	EDB	SW-846 8011	1	08/29/2005 23:37	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/26/2005 11:36	<span style="background-color: black; color: black;">[REDACTED]</span>	10

\*=This limit was used in the evaluation of the final result

AR102611

**Lancaster Laboratories Sample No. WW 4588232**

**05-MET-027 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/19/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Montgomery Watson Harza

Reported: 08/30/2005 at 13:36

P.O. Box 7009

Discard: 09/30/2005

Pasadena CA 91109-7009

M027-

07582	PPL Volatiles	SW-846 8260B	1	08/23/2005 16:02	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/22/2005 17:15	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/22/2005 23:15	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2005 16:02	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/22/2005 19:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07786	EDB Extraction	SW-846 8011	1	08/23/2005 11:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/24/2005 14:20	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4588232  
 Sample wt/vol: 5.0 (g/mL)mL Lab File ID: SH08363.i/05aug23a.b/tg23s11.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture: not dec. Date Analyzed: 08/23/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alkane	3.01	19	J
2.	!Unknown alicyclic	6.54	13	J
3.	!Unknown aromatic	12.33	12	J
4.	!Unknown aromatic	12.63	31	J
5.	!Unknown aromatic	13.09	39	J
6.	!Unknown aromatic	13.12	21	J
7.	!Unknown aromatic	13.39	15	J
8.	!Unknown aromatic	13.48	20	J
9.	!Unknown alkane	13.60	15	J
10.	!Unknown aromatic	13.90	18	J
11.	!Unknown aromatic	14.01	60	J
12.	!Unknown aromatic	14.21	13	J
13.	!Unknown aromatic	14.31	32	J
14.	!Unknown aromatic	14.78	12	J
15.	!Unknown aromatic	14.92	13	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102613



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4588232  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0921.d  
 Level: (low/med) LOW Date Received: 08/19/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/22/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/26/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Cycloalkane	5.691	45000	J
2.	!Unknown Cycloalkane	6.201	23000	J
3.	!Unknown Cycloalkane	7.136	22000	J
4.	!Unknown Alkane	7.449	43000	J
5.	!3,3'-Dimethylbiphenyl	7.855	29000	JX
6.	!Unknown Cycloalkane	7.953	30000	J
7.	!Unknown Alkane	8.070	24000	J
8.	!Unknown	8.451	23000	J
9.	!1H-Cyclopropa[1]phenanthrene	8.599	23000	JX
10.	!Unknown	8.667	27000	J
11.	!Phenanthrene, 2,5-dimethyl-	8.943	25000	JX
12.	!Unknown Alkane	8.974	27000	J
13.	!Phenanthrene, 2,3-dimethyl-	9.036	41000	JX
14.	!Benzene, (2-methylene-1-phen	9.103	29000	JX
15.	!Unknown	9.269	38000	J
16.	!Unknown	9.318	26000	J
17.	!Phenanthrene, 2,3,5-trimethy	9.411	41000	JX
18.	!Unknown	9.558	30000	J
19.	!Pyrene, 4-methyl-	9.724	38000	JX
20.	!Unknown	9.860	37000	J
21.	!Unknown	10.155	24000	J
22.	!Unknown Alkane	10.179	28000	J
23.	!Benz[a]anthracene, 11-methyl	10.745	41000	JX
24.	!Unknown	11.015	4000	J
25.	!Benz[a]anthracene, 1,12-dime	11.046	3600	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102614



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4588233

05-MET-027 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/19/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/19/2005 18:20

Reported: 08/30/2005 at 13:36

Discard: 09/30/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

F027-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	63.5		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.		1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	6.5 J		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	13.6 J		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/25/2005 08:58	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/23/2005 16:16	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/23/2005 06:49	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/23/2005 06:49	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/23/2005 06:49	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/23/2005 06:49	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/23/2005 06:49	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/23/2005 06:49	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/23/2005 06:49	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/23/2005 06:49	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/23/2005 06:49	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/23/2005 06:49	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/23/2005 06:49	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/22/2005 19:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102615

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 01:36 PM

Group Number: 956236

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052340008A	Sample number(s): 4588232								
Alpha BHC	N.D.	0.0020	0.010	ug/l	110	110	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	110	110	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	110	110	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	100	100	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	99	100	45-130	1	20
Aldrin	N.D.	0.0050	0.020	ug/l	85	89	47-122	5	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	110	110	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	90	90	44-154	0	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	95	95	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	95	95	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	105	100	71-129	5	20
Endrin	N.D.	0.0040	0.020	ug/l	70	95	62-135	30*	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	110	100	66-131	10	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	100	100	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	110	100	36-158	9	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	98	99	49-155	1	20
Batch number: 052340015A	Sample number(s): 4588232								
Ethylene dibromide	N.D.	0.010	0.030	ug/l	100	96	60-140	4	20
Batch number: 052341848002	Sample number(s): 4588232-4588233								
Thallium	N.D.	0.0100	0.0200	mg/l	100		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	104		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	98		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	100		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	110		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	109		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	104		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	103		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	102		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	107		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	110		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	108		90-112		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 01:36 PM

Group Number: 956236

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 05234WAB026 Sample number(s): 4588232									
1,4-Dioxane	N.D.	1.	5.	ug/l	56	59	43-73	6	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	97	97	65-107	1	30
2-Chlorophenol	N.D.	1.	5.	ug/l	89	91	63-112	2	30
Phenol	N.D.	1.	5.	ug/l	41	42	29-57	1	30
2-Nitrophenol	N.D.	1.	5.	ug/l	105	104	83-119	1	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	87	84	60-107	4	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	93	91	66-110	2	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	93	94	48-114	0	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	91	92	69-111	1	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	82	89	44-130	8	30
4-Nitrophenol	N.D.	10.	30.	ug/l	44	43	16-75	2	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	90	90	56-130	1	30
Pentachlorophenol	N.D.	3.	15.	ug/l	82	86	48-108	4	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	65	63	39-84	3	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	86	88	57-110	3	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	90	89	52-102	1	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	90	91	54-103	1	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	85	86	58-99	1	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	110	111	68-133	1	30
Hexachloroethane	N.D.	1.	5.	ug/l	88	88	33-106	0	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	88	89	56-109	2	30
Nitrobenzene	N.D.	1.	5.	ug/l	91	93	61-111	2	30
Isophorone	N.D.	1.	5.	ug/l	86	87	63-105	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	98	98	69-119	0	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	91	91	62-101	1	30
Naphthalene	N.D.	1.	5.	ug/l	93	91	70-102	2	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	93	91	33-118	2	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	95	96	14-169	1	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	75	75	56-100	1	30
Acenaphthylene	N.D.	1.	5.	ug/l	106	106	65-120	0	30
Dimethylphthalate	N.D.	2.	5.	ug/l	89	89	46-109	1	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	92	93	70-108	1	30
Acenaphthene	N.D.	1.	5.	ug/l	92	93	68-111	2	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	95	98	75-122	2	30
Fluorene	N.D.	1.	5.	ug/l	89	89	61-116	1	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	90	89	65-110	1	30
Diethylphthalate	N.D.	2.	5.	ug/l	92	94	61-110	2	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	89	90	62-106	1	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	93	94	63-104	1	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	93	95	67-110	2	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	90	89	68-113	1	30
Phenanthrene	N.D.	1.	5.	ug/l	94	93	68-111	1	30
Anthracene	N.D.	1.	5.	ug/l	92	93	68-108	0	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	96	97	63-113	1	30
Fluoranthene	N.D.	1.	5.	ug/l	90	92	66-108	2	30
Pyrene	N.D.	1.	5.	ug/l	95	94	68-114	2	30
Benzidine	N.D.	20.	60.	ug/l	74	78	20-134	5	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	97	96	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	89	89	72-112	0	30
Chrysene	N.D.	1.	5.	ug/l	94	94	70-111	0	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	53	62	39-116	16	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	94	93	62-126	1	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	109	107	58-118	1	30

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 01:36 PM

Group Number: 956236

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	104	105	67-117	1	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	101	97	67-120	5	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	107	105	68-121	2	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	103	101	67-122	2	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	109	108	71-129	1	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	104	102	67-121	2	30
Batch number: 05236117101A	Sample number(s): 4588232								
Total Cyanide	0.0059 J	0.0050	0.010	mg/l	100		90-110		
Batch number: 05236120102A	Sample number(s): 4588232								
Phenols	N.D.	0.0090	0.030	mg/l	98	96	83-108	1	20
Batch number: 052365713003	Sample number(s): 4588232-4588233								
Mercury	N.D.	0.00006	0.00020	mg/l	107		80-120		
Batch number: T052351AA	Sample number(s): 4588232								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	87	90	77-127	3	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	103	103	57-141	0	30
Chloromethane	N.D.	1.	5.	ug/l	106	106	59-177	1	30
Vinyl Chloride	N.D.	1.	5.	ug/l	96	100	71-134	4	30
Bromomethane	N.D.	1.	5.	ug/l	82	84	62-131	2	30
Chloroethane	N.D.	1.	5.	ug/l	94	101	67-127	6	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	100	98	70-148	2	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	92	94	79-130	2	30
Methylene Chloride	N.D.	2.	5.	ug/l	103	106	80-128	3	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	93	97	81-124	3	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	95	99	83-127	4	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	93	98	84-117	5	30
Chloroform	N.D.	0.8	5.	ug/l	104	106	86-124	3	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	102	104	83-127	2	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	99	100	77-130	2	30
Benzene	N.D.	0.5	5.	ug/l	94	98	85-117	4	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	115	116	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	97	101	87-117	5	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	96	99	80-117	2	30
Bromodichloromethane	N.D.	1.	5.	ug/l	98	103	83-121	4	30
Toluene	N.D.	0.7	5.	ug/l	93	96	85-115	3	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	96	95	86-113	0	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	86	87	74-125	2	30
Dibromochloromethane	N.D.	1.	5.	ug/l	100	101	78-119	0	30
Chlorobenzene	N.D.	0.8	5.	ug/l	86	89	85-115	3	30
Ethylbenzene	N.D.	0.8	5.	ug/l	83	85	82-119	2	30
Bromoform	N.D.	1.	5.	ug/l	92	93	69-118	2	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	92	94	72-119	2	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	84	86	79-114	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	89	91	78-114	3	30
Xylene (Total)	N.D.	0.8	5.	ug/l	86	88	83-113	2	30
Acrylonitrile	N.D.	4.	20.	ug/l	99	100	55-137	1	30
Acrolein	N.D.	40.	100.	ug/l	87	88	28-146	1	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	91	94	53-133	4	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 01:36 PM

Group Number: 956236

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	RPD	RPD
Analysis Name						Conc		Max
Batch number: 052340015A	Sample number(s): 4588232							
Ethylene dibromide	87		65-135			N.D.	N.D.	0 (1) 30
Batch number: 052341848002	Sample number(s): 4588232-4588233							
Thallium	102	101	89-112	0	20	N.D.	N.D.	117* (1) 20
Arsenic	106	105	86-119	1	20	N.D.	N.D.	45* (1) 20
Selenium	99	98	75-125	1	20	N.D.	N.D.	21* (1) 20
Antimony	101	100	75-125	2	20	N.D.	N.D.	41* (1) 20
Beryllium	112	110	91-117	2	20	N.D.	N.D.	63* (1) 20
Cadmium	107	106	87-117	1	20	N.D.	N.D.	40* (1) 20
Chromium	104	102	86-118	2	20	N.D.	N.D.	16 (1) 20
Copper	107	106	89-119	1	20	N.D.	N.D.	27* (1) 20
Lead	102	101	87-118	1	20	N.D.	N.D.	161* (1) 20
Nickel	107	105	91-111	1	20	N.D.	N.D.	30* (1) 20
Silver	111	110	75-125	1	20	N.D.	N.D.	52* (1) 20
Zinc	105	103	80-120	2	20	N.D.	N.D.	14 (1) 20
Batch number: 05236117101A	Sample number(s): 4588232							
Total Cyanide	90		82-114			N.D.	N.D.	29* (1) 20
Batch number: 052365713003	Sample number(s): 4588232-4588233							
Mercury	110	113	80-120	3	20	N.D.	N.D.	56* (1) 20
Batch number: T052351AA	Sample number(s): 4588232							
Methyl Tertiary Butyl Ether	85		69-134					
t-Butyl alcohol	102		51-147					
Chloromethane	108		72-208					
Vinyl Chloride	108		81-150					
Bromomethane	110		59-143					
Chloroethane	109		63-142					
Trichlorofluoromethane	109		77-177					
1,1-Dichloroethene	99		87-145					
Methylene Chloride	96		79-133					
trans-1,2-Dichloroethene	98		82-133					
1,1-Dichloroethane	99		85-135					
cis-1,2-Dichloroethene	98		83-126					
Chloroform	104		82-131					
1,1,1-Trichloroethane	105		81-142					
Carbon Tetrachloride	100		79-155					
Benzene	95		83-128					
1,2-Dichloroethane	108		73-136					
Trichloroethene	100		83-136					
1,2-Dichloropropane	98		83-129					
Bromodichloromethane	98		80-129					
Toluene	99		83-127					
1,1,2-Trichloroethane	97		77-125					
Tetrachloroethene	88		78-133					
Dibromochloromethane	103		73-119					
Chlorobenzene	89		83-120					
Ethylbenzene	86		82-129					
Bromoform	90		64-119					
1,1,2,2-Tetrachloroethane	88		69-121					
trans-1,3-Dichloropropene	85		75-117					

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 01:36 PM

Group Number: 956236

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
cis-1,3-Dichloropropene	89		76-117					
Xylene (Total)	87		82-130					
Acrylonitrile	85		54-132					
Acrolein	77		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052340008A

Tetrachloro-m-xylene      Decachlorobiphenyl

4588232	66	115
Blank	94	92
LCS	98	105
LCSD	97	101
Limits:	45-125	47-155

Analysis Name: EDB in Wastewater  
Batch number: 052340015A

1,1,2,2-  
Tetrachloroethane

4588232	56
Blank	104
DUP	104
LCS	99
LCSD	101
MS	109
Limits:	52-120

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05234WAB026

2-Fluorophenol      Phenol-d6      2,4,6-Tribromophenol      Nitrobenzene-d5

4588232	55	36	81	98
Blank	67	41	101	97
LCS	67	42	94	98
LCSD	66	41	92	94
Limits:	10-99	10-80	31-148	51-123

2-Fluorobiphenyl      Terphenyl-d14

4588232	87	89
Blank	95	102
LCS	96	103
LCSD	93	99

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 08/30/05 at 01:36 PM

Group Number: 956236

### Surrogate Quality Control

Limits: 64-112 52-151

Analysis Name: PPL + Xylene (total) by 8260  
Batch number: T052351AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588232	101	86	93	101
Blank	101	89	92	104
LCS	99	91	94	106
LCSD	100	92	97	108
MS	95	90	96	106
Limits:	81-120	82-112	85-112	83-113

\*- Outside of specification

\*\*\_This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

**SAMPLE GROUP**

The sample group for this submittal is 956370. Samples arrived at the laboratory on Monday, August 22, 2005. The PO# for this group is 2111133.5640.010101.

**Client Description****Lancaster Labs Number**

05-MET-040S Grab Soil Sample	4588960
05-MET-044 Grab Soil Sample	4588961
05-MET-048 Grab Soil Sample	4588962
05-MET-045S Grab Soil Sample	4588963
05-MET-050S Grab Soil Sample	4588964
05-MET-049 Grab Soil Sample	4588965
05-MET-049A Grab Soil Sample	4588966
05-MET-051 Grab Soil Sample	4588967
05-MET-129 Grab Soil Sample	4588968
05-MET-072 Grab Soil Sample	4588969
05-MET-128 Grab Soil Sample	4588970
05-MET-071 Grab Soil Sample	4588971
05-MET-074 Grab Soil Sample	4588972
05-MET-075 Grab Soil Sample	4588973
05-MET-075V Grab Soil Sample	4588974
TB082205S Trip Blank Methanol Sample	4588975

1 COPY TO

Montgomery Watson Harza

Attn:

Questions? Contact your Client Services Representative

[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Group Leader

**Lancaster Laboratories Sample No. SW 4588960**
**05-MET-040S Grab Soil Sample**
**N(1.0'-1.5')**
**Former Metro Container Investigation**

Collected: 08/22/2005 07:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-40S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	2.34	0.0173	0.649	mg/kg	5
06925	Thallium	7440-28-0	3.03	1.23	2.56	mg/kg	1
06935	Arsenic	7440-38-2	22.3	0.859	2.56	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.23	2.56	mg/kg	1
06944	Antimony	7440-36-0	3.13	1.05	2.56	mg/kg	1
06947	Beryllium	7440-41-7	0.395 J	0.0551	0.641	mg/kg	1
06949	Cadmium	7440-43-9	2.04	0.110	0.641	mg/kg	1
06951	Chromium	7440-47-3	358.	0.679	1.92	mg/kg	1
06953	Copper	7440-50-8	252.	0.384	1.28	mg/kg	1
06955	Lead	7439-92-1	493.	1.00	2.56	mg/kg	1
06961	Nickel	7440-02-0	29.4	0.423	1.28	mg/kg	1
06966	Silver	7440-22-4	0.361 J	0.243	0.641	mg/kg	1
06972	Zinc	7440-66-6	317.	0.590	2.56	mg/kg	1
00111	Moisture	n.a.	23.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.64	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0222	0.108	mg/kg	100
01219	Heptachlor	76-44-8	N.D.	0.0222	0.108	mg/kg	100
01220	Aldrin	309-00-2	N.D.	0.0222	0.108	mg/kg	100
01221	p,p-DDT	50-29-3	0.402	0.0431	0.222	mg/kg	100
01222	Dieldrin	60-57-1	N.D.	0.0431	0.222	mg/kg	100
01223	Endrin	72-20-8	N.D.	0.0431	0.222	mg/kg	100
01859	Methoxychlor	72-43-5	N.D.	0.222	1.08	mg/kg	100
01981	Alpha BHC	319-84-6	N.D.	0.0222	0.108	mg/kg	100
01982	Beta BHC	319-85-7	N.D.	0.0222	0.108	mg/kg	100
01983	Delta BHC	319-86-8	N.D.	0.0275	0.108	mg/kg	100
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0222	0.108	mg/kg	100
01985	p,p-DDE	72-55-9	N.D.	0.222	0.222	mg/kg	100
01986	p,p-DDD	72-54-8	N.D.	0.222	0.222	mg/kg	100
01987	Chlordane	57-74-9	N.D.	0.523	2.22	mg/kg	100
01988	Toxaphene	8001-35-2	N.D.	1.44	4.31	mg/kg	100
01989	Endosulfan I	959-98-8	N.D.	0.0222	0.108	mg/kg	100
01990	Endosulfan II	33213-65-9	N.D.	0.0431	0.222	mg/kg	100
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0431	0.222	mg/kg	100
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0431	0.222	mg/kg	100

\*=This limit was used in the evaluation of the final result

AR102625

Lancaster Laboratories Sample No. SW 4588960

05-MET-040S Grab Soil Sample

N(1.0'-1.5')

Former Metro Container Investigation

Collected: 08/22/2005 07:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-40S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.967	2.22	mg/kg	100
01994	PCB-1221	11104-28-2	N.D.	0.431	2.22	mg/kg	100
01995	PCB-1232	11141-16-5	N.D.	0.627	2.22	mg/kg	100
01996	PCB-1242	53469-21-9	N.D.	0.392	2.22	mg/kg	100
01997	PCB-1248	12672-29-6	N.D.	1.44	4.31	mg/kg	100
01998	PCB-1254	11097-69-1	2.52	0.431	2.22	mg/kg	100
01999	PCB-1260	11096-82-5	N.D.	1.44	4.31	mg/kg	100

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and 4,4'-DDD.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.65	3.3	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.22	1.1	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.22	1.1	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.22	1.1	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.22	1.1	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.22	1.1	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.44	1.1	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.22	1.1	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.1	3.3	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.44	1.1	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.1	3.3	mg/kg	5
01195	Pyrene	129-00-0	4.0	0.22	1.1	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.22	1.1	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.22	1.1	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.65	1.1	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.22	1.1	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.22	1.1	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.4	13.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.1	3.3	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.44	1.1	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.22	1.1	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.22	1.1	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.22	1.1	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.22	1.1	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.22	1.1	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102626

**Lancaster Laboratories Sample No. SW 4588960**
**05-MET-040S Grab Soil Sample**
**N(1.0'-1.5')**
**Former Metro Container Investigation**

Collected: 08/22/2005 07:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-40S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.22	1.1	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.22	1.1	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.22	1.1	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.22	1.1	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.44	1.1	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.1	3.3	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.22	1.1	mg/kg	5
03765	Acenaphthylene	208-96-8	0.35 J	0.22	1.1	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.44	1.1	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.22	1.1	mg/kg	5
03768	Fluorene	86-73-7	0.28 J	0.22	1.1	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.22	1.1	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.44	1.1	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.22	1.1	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.22	1.1	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.22	1.1	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.22	1.1	mg/kg	5
03775	Phenanthrene	85-01-8	3.2	0.22	1.1	mg/kg	5
03776	Anthracene	120-12-7	0.70 J	0.22	1.1	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.44	1.1	mg/kg	5
03778	Fluoranthene	206-44-0	4.3	0.22	1.1	mg/kg	5
03779	Benzidine	92-87-5	N.D.	4.4	13.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.44	1.1	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	1.5	0.22	1.1	mg/kg	5
03782	Chrysene	218-01-9	1.9	0.22	1.1	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.65	2.2	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.44	2.2	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.44	1.1	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	1.4	0.22	1.1	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	0.59 J	0.22	1.1	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	0.86 J	0.22	1.1	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.38 J	0.22	1.1	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.22	1.1	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	0.39 J	0.22	1.1	mg/kg	5

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR102627

Lancaster Laboratories Sample No. SW 4588960

05-MET-040S Grab Soil Sample

N(1.0'-1.5')

Former Metro Container Investigation

Collected: 08/22/2005 07:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-40S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Matrix QC was performed on this sample for the GCMS semivolatile analysis. Please see the attached QC summary report for compounds showing a matrix bias.							
The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.063	0.31	mg/kg	48.08
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.031	0.31	mg/kg	48.08
02020	t-Butyl alcohol	75-65-0	N.D.	1.3	6.3	mg/kg	48.08
05444	Chloromethane	74-87-3	N.D.	0.13	0.31	mg/kg	48.08
05445	Vinyl Chloride	75-01-4	N.D.	0.063	0.31	mg/kg	48.08
05446	Bromomethane	74-83-9	N.D.	0.13	0.31	mg/kg	48.08
05447	Chloroethane	75-00-3	N.D.	0.13	0.31	mg/kg	48.08
05448	Trichlorofluoromethane	75-69-4	N.D.	0.13	0.31	mg/kg	48.08
05449	1,1-Dichloroethene	75-35-4	N.D.	0.063	0.31	mg/kg	48.08
05450	Methylene Chloride	75-09-2	N.D.	0.13	0.31	mg/kg	48.08
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.063	0.31	mg/kg	48.08
05452	1,1-Dichloroethane	75-34-3	N.D.	0.063	0.31	mg/kg	48.08
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.063	0.31	mg/kg	48.08
05455	Chloroform	67-66-3	N.D.	0.063	0.31	mg/kg	48.08
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.063	0.31	mg/kg	48.08
05458	Carbon Tetrachloride	56-23-5	N.D.	0.063	0.31	mg/kg	48.08
05460	Benzene	71-43-2	N.D.	0.031	0.31	mg/kg	48.08
05461	1,2-Dichloroethane	107-06-2	N.D.	0.063	0.31	mg/kg	48.08
05462	Trichloroethene	79-01-6	9.6	0.063	0.31	mg/kg	48.08
05463	1,2-Dichloropropane	78-87-5	N.D.	0.063	0.31	mg/kg	48.08
05465	Bromodichloromethane	75-27-4	N.D.	0.063	0.31	mg/kg	48.08
05466	Toluene	108-88-3	N.D.	0.063	0.31	mg/kg	48.08
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.063	0.31	mg/kg	48.08
05468	Tetrachloroethene	127-18-4	N.D.	0.063	0.31	mg/kg	48.08
05470	Dibromochloromethane	124-48-1	N.D.	0.063	0.31	mg/kg	48.08
05472	Chlorobenzene	108-90-7	N.D.	0.063	0.31	mg/kg	48.08
05474	Ethylbenzene	100-41-4	N.D.	0.063	0.31	mg/kg	48.08
05478	Bromoform	75-25-2	N.D.	0.063	0.31	mg/kg	48.08
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.063	0.31	mg/kg	48.08

\*=This limit was used in the evaluation of the final result

AR102628

**Lancaster Laboratories Sample No. SW 4588960**
**05-MET-040S Grab Soil Sample**
**N(1.0'-1.5')**
**Former Metro Container Investigation**

Collected: 08/22/2005 07:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-40S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.063	0.31	mg/kg	48.08
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.063	0.31	mg/kg	48.08
06301	Xylene (Total)	1330-20-7	N.D.	0.063	0.31	mg/kg	48.08
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.13	0.63	mg/kg	48.08
07586	Acrolein	107-02-8	N.D.	1.3	6.3	mg/kg	48.08
07587	Acrylonitrile	107-13-1	N.D.	0.25	1.3	mg/kg	48.08

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction. The analysis was repeated and out of specification surrogate recoveries were again observed indicating a matrix effect.

The percent recoveries for chloroethane were outside QC limits high in the LCS/LCSD associated with this sample. Since the recoveries were high and this compound was not detected in the sample, no further action was taken.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 10:58	[REDACTED]	5
06925	Thallium	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102629



Lancaster Laboratories Sample No. SW 4588960

05-MET-040S Grab Soil Sample

N(1.0'-1.5')

Former Metro Container Investigation

Collected: 08/22/2005 07:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-40S

06935	Arsenic	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 05:42	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:32	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:31	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 10:26	[REDACTED]	100
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 17:40	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 11:03	[REDACTED]	48.08
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 11:03	[REDACTED]	48.08
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:04	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:00	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:00	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR102630

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4588960	SDG No.: _____
Sample wt/vol: 5.2 (g/mL) g	Lab File ID: HP07536.i/05aug31a.b/qg31s01.d	
Level: (low/med) MED	Date Received: 08/22/05	
% Moisture: not dec. 24	Date Analyzed: 08/31/05	
Column: (pack/cap) CAP	Dilution Factor: 48.1	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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30.				

page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588960  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0829.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 24 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 23 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.171	1900	JAB
2.	Unknown Carboxylic Acid	6.608	1.2	J
3.	Unknown Alkane	7.389	1.1	J
4.	Unknown Alkane	7.783	2.2	J
5.	Unknown Alkane	8.158	1.5	J
6.	Unknown Alkane	8.514	13	J
7.	Anthracene, 2-methyl-	8.723	2.1	JX
8.	Unknown	8.797	58	J
9.	Naphthalene, 2-phenyl-	8.945	18	JX
10.	11H-Benzo[a]fluorene	9.670	20	JX
11.	Anthracene, 2-(1,1-dimethyle	9.726	19	JX
12.	11H-Benzo[a]fluorene	9.763	21	JX
13.	Unknown Alkane	9.793	16	J
14.	Unknown	9.855	22	J
15.	Unknown	10.095	21	J
16.	Unknown	10.211	24	J
17.	Unknown	10.304	17	J
18.	Unknown Alkane	10.390	25	J
19.	Unknown Alkane	10.673	26	J
20.	Unknown	10.845	16	J
21.3351-31-3	Chrysene, 3-methyl-	10.882	15	JX
22.	Unknown Alkane	10.955	17	J
23.	Unknown	11.546	1.1	J
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102632

**Lancaster Laboratories Sample No. SW 4588961**
**05-MET-044 Grab Soil Sample**
**N(4.5'-5.0')**
**Former Metro Container Investigation**

Collected: 08/22/2005 08:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--44

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	2.20	0.0182	0.683	mg/kg	5
06925	Thallium	7440-28-0	2.56 J	1.31	2.72	mg/kg	1
06935	Arsenic	7440-38-2	21.0	0.912	2.72	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.31	2.72	mg/kg	1
06944	Antimony	7440-36-0	1.98 J	1.12	2.72	mg/kg	1
06947	Beryllium	7440-41-7	0.790	0.0586	0.681	mg/kg	1
06949	Cadmium	7440-43-9	1.50	0.117	0.681	mg/kg	1
06951	Chromium	7440-47-3	182.	0.722	2.04	mg/kg	1
06953	Copper	7440-50-8	241.	0.409	1.36	mg/kg	1
06955	Lead	7439-92-1	479.	1.06	2.72	mg/kg	1
06961	Nickel	7440-02-0	35.3	0.449	1.36	mg/kg	1
06966	Silver	7440-22-4	0.881	0.259	0.681	mg/kg	1
06972	Zinc	7440-66-6	388.	0.626	2.72	mg/kg	1
00111	Moisture	n.a.	27.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.67	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.8	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0468	0.228	mg/kg	200
01219	Heptachlor	76-44-8	N.D.	0.0468	0.228	mg/kg	200
01220	Aldrin	309-00-2	N.D.	0.0468	0.228	mg/kg	200
01221	p,p-DDT	50-29-3	3.13	0.0908	0.468	mg/kg	200
01222	Dieldrin	60-57-1	N.D.	0.0908	0.468	mg/kg	200
01223	Endrin	72-20-8	N.D.	0.0908	0.468	mg/kg	200
01859	Methoxychlor	72-43-5	N.D.	0.468	2.28	mg/kg	200
01981	Alpha BHC	319-84-6	0.147 J	0.0468	0.228	mg/kg	200
01982	Beta BHC	319-85-7	0.147 J	0.0468	0.228	mg/kg	200
01983	Delta BHC	319-86-8	0.139 J	0.0578	0.228	mg/kg	200
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0468	0.228	mg/kg	200
01985	p,p-DDE	72-55-9	0.690	0.0908	0.468	mg/kg	200
01986	p,p-DDD	72-54-8	0.672	0.0908	0.468	mg/kg	200
01987	Chlordane	57-74-9	N.D.	1.10	4.68	mg/kg	200
01988	Toxaphene	8001-35-2	N.D.	3.03	9.08	mg/kg	200
01989	Endosulfan I	959-98-8	N.D.	0.0468	0.228	mg/kg	200
01990	Endosulfan II	33213-65-9	N.D.	0.0908	0.468	mg/kg	200
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0908	0.468	mg/kg	200
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0908	0.468	mg/kg	200

\*=This limit was used in the evaluation of the final result

AR102633

Lancaster Laboratories Sample No. SW 4588961

05-MET-044 Grab Soil Sample

N(4.5'-5.0')

Former Metro Container Investigation

Collected: 08/22/2005 08:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--44

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	2.04	4.68	mg/kg	200
01994	PCB-1221	11104-28-2	N.D.	0.908	4.68	mg/kg	200
01995	PCB-1232	11141-16-5	N.D.	1.32	4.68	mg/kg	200
01996	PCB-1242	53469-21-9	N.D.	0.825	4.68	mg/kg	200
01997	PCB-1248	12672-29-6	N.D.	3.03	9.08	mg/kg	200
01998	PCB-1254	11097-69-1	2.00 J	0.908	4.68	mg/kg	200
01999	PCB-1260	11096-82-5	N.D.	3.03	9.08	mg/kg	200

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.69	2.3	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.23	1.1	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.23	1.1	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.23	1.1	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.23	1.1	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.23	1.1	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.46	1.1	mg/kg	5
01191	Acenaphthene	83-32-9	0.27 J	0.23	1.1	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.1	3.4	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.46	1.1	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.1	3.4	mg/kg	5
01195	Pyrene	129-00-0	2.6	0.23	1.1	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.23	1.1	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.23	1.1	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.69	1.1	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.23	1.1	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.23	1.1	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.6	14.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.1	3.4	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.46	1.1	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.23	1.1	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.23	1.1	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.23	1.1	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.23	1.1	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.23	1.1	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.23	1.1	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.23	1.1	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.23	1.1	mg/kg	5
03761	Naphthalene	91-20-3	0.24 J	0.23	1.1	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102634

Lancaster Laboratories Sample No. SW 4588961

05-MET-044 Grab Soil Sample

N(4.5'-5.0')

Former Metro Container Investigation

Collected: 08/22/2005 08:50

by █

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--44

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.46	1.1	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.1	3.4	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.23	1.1	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.23	1.1	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.46	1.1	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.23	1.1	mg/kg	5
03768	Fluorene	86-73-7	0.51 J	0.23	1.1	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.23	1.1	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.46	1.1	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.23	1.1	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.23	1.1	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.23	1.1	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.23	1.1	mg/kg	5
03775	Phenanthrene	85-01-8	2.9	0.23	1.1	mg/kg	5
03776	Anthracene	120-12-7	0.82 J	0.23	1.1	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.46	1.1	mg/kg	5
03778	Fluoranthene	206-44-0	3.2	0.23	1.1	mg/kg	5
03779	Benzidine	92-87-5	N.D.	4.6	14.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.46	1.1	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	1.2	0.23	1.1	mg/kg	5
03782	Chrysene	218-01-9	1.4	0.23	1.1	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.69	2.3	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.46	2.3	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.46	1.1	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	1.6	0.23	1.1	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	0.72 J	0.23	1.1	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	1.2	0.23	1.1	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.66 J	0.23	1.1	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	0.31 J	0.23	1.1	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	0.81 J	0.23	1.1	mg/kg	5

The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

AR102635

Lancaster Laboratories Sample No. SW 4588961

05-MET-044 Grab Soil Sample

N(4.5'-5.0')

Former Metro Container Investigation

Collected: 08/22/2005 08:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--44

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.11
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.11
02020	t-Butyl alcohol	75-65-0	N.D.	0.031	0.15	mg/kg	1.11
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.11
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.11
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.11
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.11
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.11
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.11
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.008	mg/kg	1.11
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.11
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.008	mg/kg	1.11
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.008	mg/kg	1.11
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.11
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.11
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.11
05460	Benzene	71-43-2	N.D.	0.0008	0.008	mg/kg	1.11
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.11
05462	Trichloroethene	79-01-6	N.D.	0.002	0.008	mg/kg	1.11
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.11
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.11
05466	Toluene	108-88-3	N.D.	0.002	0.008	mg/kg	1.11
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.11
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.008	mg/kg	1.11
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.11
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	1.11
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.008	mg/kg	1.11
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.11
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.11
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.11
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.11
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.008	mg/kg	1.11
07586	Acrolein	107-02-8	N.D.	0.031	0.15	mg/kg	1.11
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.031	mg/kg	1.11

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

AR102636

Lancaster Laboratories Sample No. SW 4588961

05-MET-044 Grab Soil Sample

N(4.5'-5.0')

Former Metro Container Investigation

Collected: 08/22/2005 08:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--44

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 11:01	[REDACTED]	5
06925	Thallium	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 05:47	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:23	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:33	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 11:27	[REDACTED]	200
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 19:54	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/30/2005 18:35	[REDACTED]	1.11
07584	PPL Volatiles	SW-846 8260B	1	08/30/2005 18:35	[REDACTED]	1.11
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102637



**Lancaster Laboratories Sample No. SW 4588961**

**05-MET-044 Grab Soil Sample**

**N(4.5'-5.0')**

**Former Metro Container Investigation**

Collected: 08/22/2005 08:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--44

05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:06	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:01	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:01	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588961  
 Sample wt/vol: 4.51 (g/mL) g      Lab File ID: HP09193.i/05aug30a.b/xg30s05.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec. 27      Date Analyzed: 08/30/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.94	2.2	J
2.	Unknown siloxane	12.26	0.008	J B
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102639

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588961  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0833.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 27 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 14 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.171	2000	JAB
2.	Unknown	4.174	440	J
3.	Naphthalene, 2-phenyl-	8.945	1.0	JX
4.	Phenanthrene, 3,6-dimethyl-	9.160	1.2	JX
5.	11H-Benzo[a]fluorene	9.769	34	JX
6.72-54-8	1,1-Dichloro-2,2-bis(p-chlor	9.843	64	J
7.	Pyrene, 2-methyl-	9.935	39	JX
8.	Unknown Alkane	10.095	48	J
9.	Unknown	10.365	32	J
10.	Unknown	11.005	40	J
11.	Perylene	11.749	1.4	JX
12.	Unknown	12.001	1.0	J
13.	Unknown	12.530	1.1	J
14.	Unknown	12.905	1.2	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102640

**Lancaster Laboratories Sample No. SW 4588962**
**05-MET-048 Grab Soil Sample**
**N(4.5'-5.0')**
**Former Metro Container Investigation**

Collected: 08/22/2005 09:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--48

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.716	0.0033	0.123	mg/kg	1
06925	Thallium	7440-28-0	2.79	1.20	2.51	mg/kg	1
06935	Arsenic	7440-38-2	22.0	0.840	2.51	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.20	2.51	mg/kg	1
06944	Antimony	7440-36-0	7.40	1.03	2.51	mg/kg	1
06947	Beryllium	7440-41-7	0.412 J	0.0539	0.627	mg/kg	1
06949	Cadmium	7440-43-9	5.89	0.108	0.627	mg/kg	1
06951	Chromium	7440-47-3	233.	0.664	1.88	mg/kg	1
06953	Copper	7440-50-8	198.	0.376	1.25	mg/kg	1
06955	Lead	7439-92-1	203.	0.978	2.51	mg/kg	1
06961	Nickel	7440-02-0	55.9	0.414	1.25	mg/kg	1
06966	Silver	7440-22-4	0.297 J	0.238	0.627	mg/kg	1
06972	Zinc	7440-66-6	101.	0.577	2.51	mg/kg	1
00111	Moisture	n.a.	21.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.32 J	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	2.0 J	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00217	0.0106	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00217	0.0106	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00217	0.0106	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.0512	0.0512	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.0217	0.0217	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00422	0.0217	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0217	0.106	mg/kg	10
01981	Alpha BHC	319-84-6	0.00857 J	0.00217	0.0106	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00217	0.0106	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00269	0.0106	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00217	0.0106	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.0486	0.0486	mg/kg	10
01986	p,p-DDD	72-54-8	0.0835	0.00422	0.0217	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0512	0.217	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.141	0.422	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00217	0.0106	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00422	0.0217	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00422	0.0217	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00422	0.0217	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102641

**Lancaster Laboratories Sample No. SW 4588962**
**05-MET-048 Grab Soil Sample**
**N(4.5'-5.0')**
**Former Metro Container Investigation**

Collected: 08/22/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--48

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0946	0.217	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0422	0.217	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0614	0.217	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0384	0.217	mg/kg	10
01997	PCB-1248	12672-29-6	0.626	0.141	0.422	mg/kg	10
01998	PCB-1254	11097-69-1	0.737	0.0422	0.217	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.422	0.422	mg/kg	10

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, and 4,4'-DDT. Despite cleanup methods, we were unable to reach our usual reporting limits.

**04688 PPL Semivolatiles**

00176	1,4-Dioxane	123-91-1	N.D.	0.64	2.1	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.21	1.1	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.21	1.1	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.21	1.1	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.21	1.1	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.21	1.1	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.43	1.1	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.21	1.1	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.1	3.2	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.43	1.1	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.1	3.2	mg/kg	5
01195	Pyrene	129-00-0	1.7	0.21	1.1	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.21	1.1	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.21	1.1	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.64	1.1	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.21	1.1	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.21	1.1	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.3	13.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.1	3.2	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.43	1.1	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.21	1.1	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.21	1.1	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.21	1.1	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.21	1.1	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.21	1.1	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.21	1.1	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.21	1.1	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102642

**Lancaster Laboratories Sample No. SW 4588962**
**05-MET-048 Grab Soil Sample**
**N(4.5'-5.0')**
**Former Metro Container Investigation**

Collected: 08/22/2005 09:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--48

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.21	1.1	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.21	1.1	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.43	1.1	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.1	3.2	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.21	1.1	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.21	1.1	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.43	1.1	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.21	1.1	mg/kg	5
03768	Fluorene	86-73-7	N.D.	0.21	1.1	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.21	1.1	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.43	1.1	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.21	1.1	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.21	1.1	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.21	1.1	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.21	1.1	mg/kg	5
03775	Phenanthrene	85-01-8	0.82 J	0.21	1.1	mg/kg	5
03776	Anthracene	120-12-7	N.D.	0.21	1.1	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.43	1.1	mg/kg	5
03778	Fluoranthene	206-44-0	1.0 J	0.21	1.1	mg/kg	5
03779	Benzidine	92-87-5	N.D.	4.3	13.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.43	1.1	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	1.2	0.21	1.1	mg/kg	5
03782	Chrysene	218-01-9	1.7	0.21	1.1	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.64	2.1	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	1.9 J	0.43	2.1	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.43	1.1	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	1.3	0.21	1.1	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	0.48 J	0.21	1.1	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	0.99 J	0.21	1.1	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.58 J	0.21	1.1	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	0.61 J	0.21	1.1	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	1.3	0.21	1.1	mg/kg	5

The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR102643

Lancaster Laboratories Sample No. SW 4588962

05-MET-048 Grab Soil Sample

N(4.5'-5.0')

Former Metro Container Investigation

Collected: 08/22/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--48

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.009	mg/kg	1.37
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0009	0.009	mg/kg	1.37
02020	t-Butyl alcohol	75-65-0	N.D.	0.035	0.18	mg/kg	1.37
05444	Chloromethane	74-87-3	N.D.	0.004	0.009	mg/kg	1.37
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.009	mg/kg	1.37
05446	Bromomethane	74-83-9	N.D.	0.004	0.009	mg/kg	1.37
05447	Chloroethane	75-00-3	N.D.	0.004	0.009	mg/kg	1.37
05448	Trichlorofluoromethane	75-69-4	N.D.	0.004	0.009	mg/kg	1.37
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.009	mg/kg	1.37
05450	Methylene Chloride	75-09-2	N.D.	0.004	0.009	mg/kg	1.37
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.009	mg/kg	1.37
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.009	mg/kg	1.37
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.009	mg/kg	1.37
05455	Chloroform	67-66-3	N.D.	0.002	0.009	mg/kg	1.37
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.009	mg/kg	1.37
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.009	mg/kg	1.37
05460	Benzene	71-43-2	N.D.	0.0009	0.009	mg/kg	1.37
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.009	mg/kg	1.37
05462	Trichloroethene	79-01-6	N.D.	0.002	0.009	mg/kg	1.37
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.009	mg/kg	1.37
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.009	mg/kg	1.37
05466	Toluene	108-88-3	N.D.	0.002	0.009	mg/kg	1.37
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.009	mg/kg	1.37
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.009	mg/kg	1.37
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.009	mg/kg	1.37
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.009	mg/kg	1.37
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.009	mg/kg	1.37
05478	Bromoform	75-25-2	N.D.	0.002	0.009	mg/kg	1.37
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.009	mg/kg	1.37
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.009	mg/kg	1.37
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.009	mg/kg	1.37
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.009	mg/kg	1.37
07586	Acrolein	107-02-8	N.D.	0.035	0.18	mg/kg	1.37
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.035	mg/kg	1.37

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported

\*=This limit was used in the evaluation of the final result

AR102644

Lancaster Laboratories Sample No. SW 4588962

05-MET-048 Grab Soil Sample

N(4.5'-5.0')

Former Metro Container Investigation

Collected: 08/22/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--48

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 10:31	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 05:52	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:24	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:34	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 11:48	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/24/2005 20:16	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/30/2005 21:17	[REDACTED]	1.37

\*=This limit was used in the evaluation of the final result

AR102645



**Lancaster Laboratories Sample No. SW 4588962**

**05-MET-048 Grab Soil Sample**

**N(4.5'-5.0')**

**Former Metro Container Investigation**

Collected: 08/22/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--48

07584	PPL Volatiles	SW-846 8260B	1	08/30/2005 21:17	[REDACTED]	1.37
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:08	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:02	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:02	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4588962	SDG No.: _____
Sample wt/vol: 3.64 (g/mL) g	Lab File ID: HP09193.i/05aug30a.b/xg30s12.d	
Level: (low/med) LOW	Date Received: 08/22/05	
% Moisture: not dec. 22	Date Analyzed: 08/30/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	1.6	J
2.	Unknown siloxane	12.26	0.012	J B
3.				
4.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102647

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588962  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0834.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 22 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.753	2.7	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	3.171	26	JAB
3.	!Unknown Alkane	8.515	1.7	J
4.	!Unknown Alkane	8.760	1.7	J
5.	!Unknown Alkane	9.093	1.3	J
6.	!Unknown Alkane	9.185	1.6	J
7.	!Unknown Alkane	9.793	4.1	J
8.	!Pyrene, 1-methyl-	9.855	2.8	JX
9.	!Unknown	10.015	3.9	J
10.	!Unknown Alkane	10.095	4.0	J
11.	!Unknown	10.205	3.3	J
12.	!Unknown	10.310	2.7	J
13.	!Unknown Carboxylic Acid	10.507	5.0	J
14.	!Unknown	10.531	16	J
15.	!Unknown Alkane	10.673	4.5	J
16.	!Benz[a]anthracene, 2-methyl-	10.882	5.0	JX
17.	!Unknown Alkane	11.238	1.8	J
18.	!Unknown	11.355	1.8	J
19.	!Unknown Alkane	11.552	5.4	J
20.	!Unknown	11.601	2.3	J
21.	!Unknown Carboxylic Acid	11.663	4.2	J
22.	!Unknown Carboxylic Acid	11.700	2.5	J
23.	!Perylene	11.755	5.0	JX
24.	!Unknown	12.013	1.7	J
25.	!Unknown	12.911	1.7	J
26.				
27.				
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29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102648

Lancaster Laboratories Sample No. SW 4588963

05-MET-045S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/22/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-45S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	1.14	0.0151	0.568	mg/kg	5
06925	Thallium	7440-28-0	4.06	1.09	2.27	mg/kg	1
06935	Arsenic	7440-38-2	48.1	0.762	2.27	mg/kg	1
06936	Selenium	7782-49-2	2.22 J	1.09	2.27	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.932	2.27	mg/kg	1
06947	Beryllium	7440-41-7	0.230 J	0.0489	0.568	mg/kg	1
06949	Cadmium	7440-43-9	0.456 J	0.0978	0.568	mg/kg	1
06951	Chromium	7440-47-3	43.8	0.603	1.71	mg/kg	1
06953	Copper	7440-50-8	24.5	0.341	1.14	mg/kg	1
06955	Lead	7439-92-1	237.	0.887	2.27	mg/kg	1
06961	Nickel	7440-02-0	11.9	0.375	1.14	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.216	0.568	mg/kg	1
06972	Zinc	7440-66-6	42.9	0.523	2.27	mg/kg	1
00111	Moisture	n.a.	14.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.20	0.57	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00398	0.0194	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00398	0.0194	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00398	0.0194	mg/kg	20
01221	p,p-DDT	50-29-3	0.100	0.00773	0.0398	mg/kg	20
01222	Dieldrin	60-57-1	0.112	0.00773	0.0398	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00773	0.0398	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0398	0.194	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00398	0.0194	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00398	0.0194	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00492	0.0194	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00398	0.0194	mg/kg	20
01985	p,p-DDE	72-55-9	0.0254 J	0.00773	0.0398	mg/kg	20
01986	p,p-DDD	72-54-8	0.0372 J	0.00773	0.0398	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0937	0.398	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.258	0.773	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00398	0.0194	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00773	0.0398	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00773	0.0398	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00773	0.0398	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102649

Lancaster Laboratories Sample No. SW 4588963

05-MET-045S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/22/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-45S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.173	0.398	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0773	0.398	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.112	0.398	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0703	0.398	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.773	0.773	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.398	0.398	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.773	0.773	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for aroclor-1248, aroclor-1254 and aroclor-1260.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.59	2.0	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.20	0.98	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.20	0.98	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.20	0.98	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.20	0.98	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.20	0.98	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.39	0.98	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.20	0.98	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	0.98	2.9	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.39	0.98	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	0.98	2.9	mg/kg	5
01195	Pyrene	129-00-0	2.2	0.20	0.98	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	0.27 J	0.20	0.98	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.20	0.98	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.59	0.98	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.20	0.98	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.20	0.98	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	3.9	12.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.98	2.9	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.39	0.98	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.20	0.98	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.20	0.98	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.20	0.98	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.20	0.98	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102650

Lancaster Laboratories Sample No. SW 4588963

05-MET-045S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/22/2005 10:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-45S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.20	0.98	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.20	0.98	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.20	0.98	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.20	0.98	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.20	0.98	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.39	0.98	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.98	2.9	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.20	0.98	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.20	0.98	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.39	0.98	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.20	0.98	mg/kg	5
03768	Fluorene	86-73-7	N.D.	0.20	0.98	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.20	0.98	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.39	0.98	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.20	0.98	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.20	0.98	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.20	0.98	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.20	0.98	mg/kg	5
03775	Phenanthrene	85-01-8	2.0	0.20	0.98	mg/kg	5
03776	Anthracene	120-12-7	0.41 J	0.20	0.98	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.39	0.98	mg/kg	5
03778	Fluoranthene	206-44-0	2.2	0.20	0.98	mg/kg	5
03779	Benzidine	92-87-5	N.D.	3.9	12.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.39	0.98	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	1.2	0.20	0.98	mg/kg	5
03782	Chrysene	218-01-9	1.5	0.20	0.98	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.59	2.0	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	3.5	0.39	2.0	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.39	0.98	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	1.7	0.20	0.98	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	0.68 J	0.20	0.98	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	1.2	0.20	0.98	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.74 J	0.20	0.98	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	0.36 J	0.20	0.98	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	0.92 J	0.20	0.98	mg/kg	5

The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.

\*=This limit was used in the evaluation of the final result

AR102651

**Lancaster Laboratories Sample No. SW 4588963**
**05-MET-045S Grab Soil Sample**
**N(1.5'-2')**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-45S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.01	mg/kg	1.63
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.01	mg/kg	1.63
02020	t-Butyl alcohol	75-65-0	N.D.	0.038	0.19	mg/kg	1.63
05444	Chloromethane	74-87-3	N.D.	0.004	0.01	mg/kg	1.63
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.01	mg/kg	1.63
05446	Bromomethane	74-83-9	N.D.	0.004	0.01	mg/kg	1.63
05447	Chloroethane	75-00-3	N.D.	0.004	0.01	mg/kg	1.63
05448	Trichlorofluoromethane	75-69-4	0.019	0.004	0.01	mg/kg	1.63
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.01	mg/kg	1.63
05450	Methylene Chloride	75-09-2	N.D.	0.004	0.01	mg/kg	1.63
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.01	mg/kg	1.63
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.01	mg/kg	1.63
05454	cis-1,2-Dichloroethene	156-59-2	0.005 J	0.002	0.01	mg/kg	1.63
05455	Chloroform	67-66-3	N.D.	0.002	0.01	mg/kg	1.63
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.01	mg/kg	1.63
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.01	mg/kg	1.63
05460	Benzene	71-43-2	N.D.	0.001	0.01	mg/kg	1.63
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.01	mg/kg	1.63
05462	Trichloroethene	79-01-6	N.D.	0.002	0.01	mg/kg	1.63
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.01	mg/kg	1.63
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.01	mg/kg	1.63
05466	Toluene	108-88-3	N.D.	0.002	0.01	mg/kg	1.63
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.01	mg/kg	1.63
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.01	mg/kg	1.63
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.01	mg/kg	1.63
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.01	mg/kg	1.63
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.01	mg/kg	1.63
05478	Bromoform	75-25-2	N.D.	0.002	0.01	mg/kg	1.63
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.01	mg/kg	1.63
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.01	mg/kg	1.63
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.01	mg/kg	1.63
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.01	mg/kg	1.63

\*=This limit was used in the evaluation of the final result

AR102652

Lancaster Laboratories Sample No. SW 4588963

05-MET-045S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/22/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-45S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07586	Acrolein	107-02-8	N.D.	0.038	0.19	mg/kg	1.63
07587	Acrylonitrile	107-13-1	N.D.	0.008	0.038	mg/kg	1.63
2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 11:02	[REDACTED]	5
06925	Thallium	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 05:57	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/24/2005 21:25	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:35	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102653



Lancaster Laboratories Sample No. SW 4588963

05-MET-045S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/22/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-45S

01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 12:09	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 01:05	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/30/2005 20:54	[REDACTED]	1.63
07584	PPL Volatiles	SW-846 8260B	1	08/30/2005 20:54	[REDACTED]	1.63
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/24/2005 10:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/25/2005 10:55	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:09	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:03	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:03	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4588963	SDG No.: _____
Sample wt/vol: 3.07 (g/mL) g	Lab File ID: HP09193.i/05aug30a.b/xg30s11.d	
Level: (low/med) LOW	Date Received: 08/22/05	
% Moisture: not dec. 15	Date Analyzed: 08/30/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102655

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588963  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0845.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 15 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Phenanthrene, 1-methyl-	8.674	1.2	JX
2.	Anthracene, 2-methyl-	8.693	1.9	JX
3.	Phenanthrene, 4-methyl-	8.760	1.4	JX
4.	Unknown Alkane	9.068	1.5	J
5.	Dibutyl phthalate	9.105	1.3	JX
6.	Phenanthrene, 2,5-dimethyl-	9.129	1.2	JX
7.	1-(4-Hydroxyphenyl)-3,6-diaz	9.578	52	JX
8.	Unknown	9.775	51	J
9.	Unknown	9.959	30	J
10.	Unknown Alkane	10.070	15	J
11.	Unknown Cycloalkane	10.076	18	J
12.	Unknown	10.168	23	J
13.	Unknown	10.341	16	J
14.	Unknown Alkane	10.359	22	J
15.	Unknown Alkane	10.642	20	J
16.	Unknown	10.802	38	J
17.	Chrysene, 1-methyl-	10.851	26	JX
18.	Unknown Alkane	10.925	22	J
19.	Unknown	10.968	22	J
20.	Unknown Alkane	11.017	19	J
21.	Unknown	11.054	18	J
22.	Unknown	11.509	1.6	J
23.	Unknown	11.576	1.4	J
24.	Unknown	12.136	1.6	J
25.	Unknown	12.493	2.7	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102656

**Lancaster Laboratories Sample No. SW 4588964**
**05-MET-050S Grab Soil Sample**
**N(1.5'-2')**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-50S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.258	0.0034	0.129	mg/kg	1
06925	Thallium	7440-28-0	2.70	1.22	2.55	mg/kg	1
06935	Arsenic	7440-38-2	10.8	0.854	2.55	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.22	2.55	mg/kg	1
06944	Antimony	7440-36-0	2.58	1.05	2.55	mg/kg	1
06947	Beryllium	7440-41-7	0.491 J	0.0548	0.637	mg/kg	1
06949	Cadmium	7440-43-9	1.26	0.110	0.637	mg/kg	1
06951	Chromium	7440-47-3	56.2	0.676	1.91	mg/kg	1
06953	Copper	7440-50-8	66.3	0.382	1.27	mg/kg	1
06955	Lead	7439-92-1	119.	0.994	2.55	mg/kg	1
06961	Nickel	7440-02-0	15.7	0.421	1.27	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.242	0.637	mg/kg	1
06972	Zinc	7440-66-6	69.5	0.586	2.55	mg/kg	1
00111	Moisture	n.a.	23.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.64	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00442	0.0216	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00442	0.0216	mg/kg	20
01220	Aldrin	309-00-2	0.0127 J	0.00442	0.0216	mg/kg	20
01221	p,p-DDT	50-29-3	0.302 J	0.0858	0.442	mg/kg	200
01222	Dieldrin	60-57-1	2.70	0.0858	0.442	mg/kg	200
01223	Endrin	72-20-8	N.D.	0.00858	0.0442	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0442	0.216	mg/kg	20
01981	Alpha BHC	319-84-6	0.0297	0.00442	0.0216	mg/kg	20
01982	Beta BHC	319-85-7	0.0288	0.00442	0.0216	mg/kg	20
01983	Delta BHC	319-86-8	0.00789 J	0.00546	0.0216	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00442	0.0216	mg/kg	20
01985	p,p-DDE	72-55-9	0.335	0.00858	0.0442	mg/kg	20
01986	p,p-DDD	72-54-8	1.34	0.0858	0.442	mg/kg	200
01987	Chlordane	57-74-9	N.D.	0.104	0.442	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.286	0.858	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00442	0.0216	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00858	0.0442	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00858	0.0442	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00858	0.0442	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102657

**Lancaster Laboratories Sample No. SW 4588964**

**05-MET-050S Grab Soil Sample**

**N(1.5'-2')**

**Former Metro Container Investigation**

Collected: 08/22/2005 10:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-50S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.192	0.442	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0858	0.442	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.125	0.442	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0780	0.442	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.286	0.858	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0858	0.442	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.286	0.858	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.65	2.2	mg/kg	5	
01185	Phenol	108-95-2	N.D.	0.22	1.1	mg/kg	5	
01186	2-Chlorophenol	95-57-8	N.D.	0.22	1.1	mg/kg	5	
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.22	1.1	mg/kg	5	
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.22	1.1	mg/kg	5	
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.22	1.1	mg/kg	5	
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.43	1.1	mg/kg	5	
01191	Acenaphthene	83-32-9	N.D.	0.22	1.1	mg/kg	5	
01192	4-Nitrophenol	100-02-7	N.D.	1.1	3.3	mg/kg	5	
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.43	1.1	mg/kg	5	
01194	Pentachlorophenol	87-86-5	N.D.	1.1	3.3	mg/kg	5	
01195	Pyrene	129-00-0	0.38	J	0.22	1.1	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.22	1.1	mg/kg	5	
03746	2-Nitrophenol	88-75-5	N.D.	0.22	1.1	mg/kg	5	
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.65	1.1	mg/kg	5	
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.22	1.1	mg/kg	5	
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.22	1.1	mg/kg	5	
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.3	13.	mg/kg	5	
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.1	3.3	mg/kg	5	
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.43	1.1	mg/kg	5	
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.22	1.1	mg/kg	5	
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.22	1.1	mg/kg	5	
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.22	1.1	mg/kg	5	
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.22	1.1	mg/kg	5	
03757	Hexachloroethane	67-72-1	N.D.	0.22	1.1	mg/kg	5	
03758	Nitrobenzene	98-95-3	N.D.	0.22	1.1	mg/kg	5	
03759	Isophorone	78-59-1	N.D.	0.22	1.1	mg/kg	5	
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.22	1.1	mg/kg	5	
03761	Naphthalene	91-20-3	N.D.	0.22	1.1	mg/kg	5	

\*=This limit was used in the evaluation of the final result

AR102658

Lancaster Laboratories Sample No. SW 4588964

05-MET-050S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/22/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-50S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.43	1.1	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.1	3.3	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.22	1.1	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.22	1.1	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.43	1.1	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.22	1.1	mg/kg	5
03768	Fluorene	86-73-7	N.D.	0.22	1.1	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.22	1.1	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.43	1.1	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.22	1.1	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.22	1.1	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.22	1.1	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.22	1.1	mg/kg	5
03775	Phenanthrene	85-01-8	N.D.	0.22	1.1	mg/kg	5
03776	Anthracene	120-12-7	N.D.	0.22	1.1	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.43	1.1	mg/kg	5
03778	Fluoranthene	206-44-0	N.D.	0.22	1.1	mg/kg	5
03779	Benzidine	92-87-5	N.D.	4.3	13.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.43	1.1	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	N.D.	0.22	1.1	mg/kg	5
03782	Chrysene	218-01-9	N.D.	0.22	1.1	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.65	2.2	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.81 J	0.43	2.2	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.43	1.1	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.22	1.1	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.22	1.1	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	N.D.	0.22	1.1	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.22	1.1	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.22	1.1	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.22	1.1	mg/kg	5

The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06373 Add'l Volatile Compounds

\*=This limit was used in the evaluation of the final result

AR102659

**Lancaster Laboratories Sample No. SW 4588964**
**05-MET-050S Grab Soil Sample**
**N(1.5'-2')**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-50S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.026	0.13	mg/kg	1
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1
05460	Benzene	71-43-2	0.0007 J	0.0007	0.007	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	1
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	1
07586	Acrolein	107-02-8	N.D.	0.026	0.13	mg/kg	1
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.026	mg/kg	1

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\* = This limit was used in the evaluation of the final result

AR102660

Lancaster Laboratories Sample No. SW 4588964

05-MET-050S Grab Soil Sample

N(1.5'-2')

Former Metro Container Investigation

Collected: 08/22/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-50S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 10:34	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 06:01	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 11:57	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:39	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 12:30	[REDACTED]	20
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/29/2005 21:15	[REDACTED]	200
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 01:27	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/30/2005 19:45	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102661



**Lancaster Laboratories Sample No. SW 4588964**

**05-MET-050S Grab Soil Sample**

**N(1.5'-2')**

**Former Metro Container Investigation**

Collected: 08/22/2005 10:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-50S

07584	PPL Volatiles	SW-846 8260B	1	08/30/2005 19:45	[REDACTED]	1
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/26/2005 00:25	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:11	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:04	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:04	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588964  
 Sample wt/vol: 4.98 (g/mL) g      Lab File ID: HP09193.i/05aug30a.b/xg30s08.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec. 23      Date Analyzed: 08/30/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	11.67	0.092	J
2.	!Unknown alicyclic	11.74	0.056	J
3.	!Unknown alkane	11.81	0.082	J
4.	!Unknown hydrocarbon	11.88	0.093	J
5.	!Unknown	11.93	0.17	J
6.	!Unknown alicyclic	12.06	0.11	J
7.	!Unknown alicyclic	12.26	0.075	J
8.	!Unknown	12.39	0.053	J
9.	!Unknown	12.45	0.11	J
10.	!Unknown alicyclic	12.51	0.062	J
11.	!Unknown	12.57	0.043	J
12.	!Unknown	12.62	0.039	J
13.	!Unknown	12.66	0.034	J
14.	!Unknown alkane	12.68	0.079	J
15.	!Unknown alkane	12.80	0.050	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102663

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588964  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0846.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 23 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.147	13	JAB
2.	Unknown	3.909	1.5	J
3.85-44-9	Phthalic anhydride	6.141	4.9	J
4.	Unknown Alkane	6.768	4.3	J
5.	Unknown Alkane	6.940	9.0	J
6.	Unknown Alkane	7.549	3.0	J
7.	Unknown	7.887	5.0	J
8.	Unknown	8.053	2.4	J
9.	Unknown Alkane	8.158	3.0	J
10.	Unknown Alkane	8.453	4.3	J
11.	Unknown	8.760	3.9	J
12.	Unknown	8.970	1.9	J
13.	Unknown Alkane	9.068	4.9	J
14.	Unknown Alkane	9.246	1.4	J
15.	Unknown	9.394	1.3	J
16.	Unknown	9.812	4.0	J
17.	Unknown	9.990	2.3	J
18.	Unknown Alkane	10.070	2.0	J
19.	Unknown	10.255	2.4	J
20.	Unknown Alkane	10.359	2.5	J
21.	Unknown Alkane	10.796	6.8	J
22.	Unknown Alkane	11.208	1.9	J
23.	Unknown	11.700	1.7	J
24.	Unknown	12.462	3.0	J
25.	Unknown	12.849	2.9	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102664

Lancaster Laboratories Sample No. SW 4588965

05-MET-049 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/22/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--49

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.416	0.0032	0.119	mg/kg	1
06925	Thallium	7440-28-0	3.72	1.17	2.44	mg/kg	1
06935	Arsenic	7440-38-2	7.59	0.817	2.44	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.17	2.44	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.00	2.44	mg/kg	1
06947	Beryllium	7440-41-7	0.478 J	0.0524	0.610	mg/kg	1
06949	Cadmium	7440-43-9	1.03	0.105	0.610	mg/kg	1
06951	Chromium	7440-47-3	255.	0.646	1.83	mg/kg	1
06953	Copper	7440-50-8	132.	0.366	1.22	mg/kg	1
06955	Lead	7439-92-1	154.	0.951	2.44	mg/kg	1
06961	Nickel	7440-02-0	46.1	0.402	1.22	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.232	0.610	mg/kg	1
06972	Zinc	7440-66-6	96.4	0.561	2.44	mg/kg	1
00111	Moisture	n.a.	19.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.60	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00423	0.0206	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00423	0.0206	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00423	0.0206	mg/kg	20
01221	p,p-DDT	50-29-3	0.0286 J	0.00821	0.0423	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00821	0.0423	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00821	0.0423	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0423	0.206	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00423	0.0206	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00423	0.0206	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00522	0.0206	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00423	0.0206	mg/kg	20
01985	p,p-DDE	72-55-9	0.0349 J	0.00821	0.0423	mg/kg	20
01986	p,p-DDD	72-54-8	0.321	0.00821	0.0423	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0995	0.423	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.274	0.821	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00423	0.0206	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00821	0.0423	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00821	0.0423	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00821	0.0423	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102665

Lancaster Laboratories Sample No. SW 4588965

05-MET-049 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/22/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--49

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.184	0.423	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0821	0.423	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.119	0.423	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0746	0.423	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.274	0.821	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0821	0.423	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.274	0.821	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.41	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.083	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.041	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.62	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.083	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.62	mg/kg	1
01195	Pyrene	129-00-0	0.46	0.041	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.051 J	0.041	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.83	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.62	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.083	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.21	mg/kg	1
03759	Isophorone	78-59-1	0.095 J	0.041	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.21	mg/kg	1
03761	Naphthalene	91-20-3	0.12 J	0.041	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. SW 4588965**
**05-MET-049 Grab Soil Sample**
**N(4.5'-5')**
**Former Metro Container Investigation**

Collected: 08/22/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

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CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.083	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.62	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.083	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.048 J	0.041	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.083	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.48	0.041	0.21	mg/kg	1
03776	Anthracene	120-12-7	0.087 J	0.041	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.083	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.46	0.041	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.83	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.083	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.24	0.041	0.21	mg/kg	1
03782	Chrysene	218-01-9	0.36	0.041	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	1.1	0.083	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.083	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.29	0.041	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.13 J	0.041	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.20 J	0.041	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.12 J	0.041	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.063 J	0.041	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.14 J	0.041	0.21	mg/kg	1
The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	1.02
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR102667

Lancaster Laboratories Sample No. SW 4588965

05-MET-049 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/22/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--49

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	1.02
02020	t-Butyl alcohol	75-65-0	N.D.	0.025	0.13	mg/kg	1.02
05444	Chloromethane	74-87-3	N.D.	0.003	0.006	mg/kg	1.02
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	1.02
05446	Bromomethane	74-83-9	N.D.	0.003	0.006	mg/kg	1.02
05447	Chloroethane	75-00-3	N.D.	0.003	0.006	mg/kg	1.02
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.006	mg/kg	1.02
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	1.02
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.006	mg/kg	1.02
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	1.02
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	1.02
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	1.02
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	1.02
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	1.02
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	1.02
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	1.02
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	1.02
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	1.02
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	1.02
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	1.02
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	1.02
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	1.02
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	1.02
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	1.02
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	1.02
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	1.02
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	1.02
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	1.02
07586	Acrolein	107-02-8	N.D.	0.025	0.13	mg/kg	1.02
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.025	mg/kg	1.02

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102668

Lancaster Laboratories Sample No. SW 4588965

05-MET-049 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/22/2005 11:20

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--49

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 10:35	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 06:06	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 11:59	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:40	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/29/2005 21:34	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 01:49	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/30/2005 20:08	[REDACTED]	1.02
07584	PPL Volatiles	SW-846 8260B	1	08/30/2005 20:08	[REDACTED]	1.02
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102669



**Lancaster Laboratories Sample No. SW 4588965****05-MET-049 Grab Soil Sample****N(4.5'-5')****Former Metro Container Investigation**

Collected: 08/22/2005 11:20

by

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--49

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/26/2005 00:25		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:12		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:05		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:05		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588965  
 Sample wt/vol: 4.91 (g/mL) g      Lab File ID: HP09193.i/05aug30a.b/xg30s09.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec. 20      Date Analyzed: 08/30/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.92	0.051	J
2.				
3.				
4.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102671

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588965  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0847.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 20 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.159	23	JAB
2.	Unknown Alkane	6.768	.71	J
3.	Unknown Alkane	6.940	2.3	J
4.132-64-9	Dibenzofuran	7.180	.39	J
5.	Unknown Alkane	7.365	.70	J
6.	Unknown Alkane	7.543	5.3	J
7.	Unknown	7.771	.78	J
8.	Unknown	7.820	1.1	J
9.	Unknown	7.844	1.7	J
10.	Unknown	7.875	.99	J
11.	Unknown	7.894	.62	J
12.	Unknown	7.930	.68	J
13.	Unknown	7.967	.91	J
14.	Unknown	7.998	.88	J
15.	Unknown	8.035	.33	J
16.	Unknown	8.158	.47	J
17.	Unknown	8.447	.25	J
18.	Unknown	8.767	.20	J
19.	Unknown	8.920	.28	J
20.	Unknown	9.990	.32	J
21.	Unknown	10.328	.41	J
22.	Unknown	10.968	.34	J
23.	Unknown	12.462	.49	J
24.	Unknown	12.849	.45	J
25.	Unknown	13.304	.64	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102672

Lancaster Laboratories Sample No. SW 4588966

05-MET-049A Grab Soil Sample  
N(4.5'-5')  
Former Metro Container Investigation

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07  
Reported: 09/07/2005 at 16:29  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-49A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.476	0.0034	0.126	mg/kg	1
06925	Thallium	7440-28-0	3.09	1.21	2.52	mg/kg	1
06935	Arsenic	7440-38-2	7.25	0.845	2.52	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.21	2.52	mg/kg	1
06944	Antimony	7440-36-0	1.34 J	1.03	2.52	mg/kg	1
06947	Beryllium	7440-41-7	0.438 J	0.0542	0.631	mg/kg	1
06949	Cadmium	7440-43-9	0.699	0.108	0.631	mg/kg	1
06951	Chromium	7440-47-3	126.	0.668	1.89	mg/kg	1
06953	Copper	7440-50-8	45.1	0.378	1.26	mg/kg	1
06955	Lead	7439-92-1	139.	0.984	2.52	mg/kg	1
06961	Nickel	7440-02-0	16.3	0.416	1.26	mg/kg	1
06966	Silver	7440-22-4	0.261 J	0.240	0.631	mg/kg	1
06972	Zinc	7440-66-6	62.6	0.580	2.52	mg/kg	1
00111	Moisture	n.a.	21.5	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.64	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00433	0.0211	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00433	0.0211	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00433	0.0211	mg/kg	20
01221	p,p-DDT	50-29-3	0.0367 J	0.00841	0.0433	mg/kg	20
01222	Dieldrin	60-57-1	0.0195 J	0.00841	0.0433	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00841	0.0433	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0433	0.211	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00433	0.0211	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00433	0.0211	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00535	0.0211	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00433	0.0211	mg/kg	20
01985	p,p-DDE	72-55-9	0.0263 J	0.00841	0.0433	mg/kg	20
01986	p,p-DDD	72-54-8	0.223	0.00841	0.0433	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.102	0.433	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.280	0.841	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00433	0.0211	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00841	0.0433	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00841	0.0433	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00841	0.0433	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102673

**Lancaster Laboratories Sample No. SW 4588966**
**05-MET-049A Grab Soil Sample**
**N(4.5'-5')**
**Former Metro Container Investigation**

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-49A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.189	0.433	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0841	0.433	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.122	0.433	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0764	0.433	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.280	0.841	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.0841	0.433	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.280	0.841	mg/kg	20
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.42	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.042	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.042	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.042	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.042	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.042	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.085	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	0.071 J	0.042	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.64	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.085	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.64	mg/kg	1
01195	Pyrene	129-00-0	0.63	0.042	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.061 J	0.042	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.042	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.042	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.042	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.85	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.64	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.085	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.042	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.042	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.042	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.042	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.042	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.042	0.21	mg/kg	1
03759	Isophorone	78-59-1	0.097 J	0.042	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.042	0.21	mg/kg	1
03761	Naphthalene	91-20-3	0.11 J	0.042	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.085	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.64	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102674

Lancaster Laboratories Sample No. SW 4588966

05-MET-049A Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-49A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.042	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.042	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.085	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.042	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.084 J	0.042	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.042	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.085	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.042	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.042	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.042	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.042	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.72	0.042	0.21	mg/kg	1
03776	Anthracene	120-12-7	0.15 J	0.042	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.085	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.65	0.042	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.85	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.085	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.32	0.042	0.21	mg/kg	1
03782	Chrysene	218-01-9	0.46	0.042	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.42	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	1.2	0.085	0.42	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.085	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.36	0.042	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.17 J	0.042	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.27	0.042	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.14 J	0.042	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.073 J	0.042	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.17 J	0.042	0.21	mg/kg	1
The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.04
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.04

\*=This limit was used in the evaluation of the final result

AR102675

Lancaster Laboratories Sample No. SW 4588966

05-MET-049A Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-49A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.026	0.13	mg/kg	1.04
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.04
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.04
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.04
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.04
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.04
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.04
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.04
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.04
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1.04
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1.04
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.04
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.04
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.04
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	1.04
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.04
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.04
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.04
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.04
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	1.04
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.04
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.04
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.04
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.04
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	1.04
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.04
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.04
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.04
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.04
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	1.04
07586	Acrolein	107-02-8	N.D.	0.026	0.13	mg/kg	1.04
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.026	mg/kg	1.04

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR102676

Lancaster Laboratories Sample No. SW 4588966

05-MET-049A Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-49A

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 10:36	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 06:11	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:00	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:41	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 13:11	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 02:11	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/30/2005 20:31	[REDACTED]	1.04
07584	PPL Volatiles	SW-846 8260B	1	08/30/2005 20:31	[REDACTED]	1.04
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/26/2005 00:25	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102677



**Lancaster Laboratories Sample No. SW 4588966****05-MET-049A Grab Soil Sample****N(4.5'-5')****Former Metro Container Investigation**

Collected: 08/22/2005 11:30

by

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-49A

06171 GC/MS - Field Preserved SW-846 5035

1 08/23/2005 10:13

1

MeOH

08389 GC/MS - LL Encore Prep SW-846 5035

1 08/23/2005 12:06

n.a.

08389 GC/MS - LL Encore Prep SW-846 5035

2 08/23/2005 12:06

n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588966  
 Sample wt/vol: 4.81 (g/mL) g      Lab File ID: HP09193.i/05aug30a.b/xg30s10.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec. 22      Date Analyzed: 08/30/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.011	J B
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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18.				
19.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102679

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588966  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0848.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 22 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 23 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	3.294	3.1	J
2.	!Unknown	4.585	.91	J
3.	!Unknown Alkane	5.877	.30	J
4.91-57-6	!Naphthalene, 2-methyl-	6.135	.37	J
5.	!Naphthalene, 2,7-dimethyl-	6.664	.78	JX
6.	!Unknown Alkane	6.940	2.3	J
7.132-64-9	!Dibenzofuran	7.180	.38	J
8.	!Unknown Alkane	7.365	.56	J
9.	!Unknown Alkane	7.543	4.8	J
10.	!Unknown	7.844	7.2	J
11.	!Unknown	8.158	.40	J
12.	!Unknown	8.447	1.6	J
13.	!1H-Benzo[a]fluorene	9.646	1.5	JX
14.	!Unknown	9.812	.46	J
15.	!Unknown	9.990	.36	J
16.	!Unknown	10.175	.31	J
17.	!Unknown	10.359	.23	J
18.	!Chrysene, 3-methyl-	10.851	.30	JX
19.	!Benzo[e]pyrene	11.712	.40	JX
20.	!Unknown	12.142	.43	J
21.	!Unknown	12.462	.39	J
22.	!Unknown	12.849	.42	J
23.	!Unknown	13.304	.51	J
24.	!			
25.	!			
26.	!			
27.	!			
28.	!			
29.	!			
30.	!			

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102680

**Lancaster Laboratories Sample No. SW 4588967**
**05-MET-051 Grab Soil Sample**
**N(4.5'-5')**
**Former Metro Container Investigation**

Collected: 08/22/2005 12:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--51

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.476	0.0035	0.133	mg/kg	1
06925	Thallium	7440-28-0	5.84	1.28	2.67	mg/kg	1
06935	Arsenic	7440-38-2	11.3	0.893	2.67	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.28	2.67	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.09	2.67	mg/kg	1
06947	Beryllium	7440-41-7	0.517 J	0.0573	0.666	mg/kg	1
06949	Cadmium	7440-43-9	1.85	0.115	0.666	mg/kg	1
06951	Chromium	7440-47-3	937.	0.706	2.00	mg/kg	1
06953	Copper	7440-50-8	212.	0.400	1.33	mg/kg	1
06955	Lead	7439-92-1	111.	1.04	2.67	mg/kg	1
06961	Nickel	7440-02-0	35.0	0.440	1.33	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.253	0.666	mg/kg	1
06972	Zinc	7440-66-6	154.	0.613	2.67	mg/kg	1
00111	Moisture	n.a.	25.7	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.67	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.8	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0114	0.0559	mg/kg	50
01219	Heptachlor	76-44-8	N.D.	0.0114	0.0559	mg/kg	50
01220	Aldrin	309-00-2	N.D.	0.0114	0.0559	mg/kg	50
01221	p,p-DDT	50-29-3	N.D.	0.0222	0.114	mg/kg	50
01222	Dieldrin	60-57-1	0.0445 J	0.0222	0.114	mg/kg	50
01223	Endrin	72-20-8	N.D.	0.0222	0.114	mg/kg	50
01859	Methoxychlor	72-43-5	N.D.	0.114	0.559	mg/kg	50
01981	Alpha BHC	319-84-6	N.D.	0.0114	0.0559	mg/kg	50
01982	Beta BHC	319-85-7	N.D.	0.0114	0.0559	mg/kg	50
01983	Delta BHC	319-86-8	N.D.	0.0141	0.0559	mg/kg	50
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0114	0.0559	mg/kg	50
01985	p,p-DDE	72-55-9	N.D.	0.0222	0.114	mg/kg	50
01986	p,p-DDD	72-54-8	0.0659 J	0.0222	0.114	mg/kg	50
01987	Chlordane	57-74-9	N.D.	0.269	1.14	mg/kg	50
01988	Toxaphene	8001-35-2	N.D.	0.740	2.22	mg/kg	50
01989	Endosulfan I	959-98-8	N.D.	0.0114	0.0559	mg/kg	50
01990	Endosulfan II	33213-65-9	N.D.	0.0222	0.114	mg/kg	50
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0222	0.114	mg/kg	50
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0222	0.114	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR102681

Lancaster Laboratories Sample No. SW 4588967

05-MET-051 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/22/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--51

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.498	1.14	mg/kg	50
01994	PCB-1221	11104-28-2	N.D.	0.222	1.14	mg/kg	50
01995	PCB-1232	11141-16-5	N.D.	0.323	1.14	mg/kg	50
01996	PCB-1242	53469-21-9	N.D.	0.202	1.14	mg/kg	50
01997	PCB-1248	12672-29-6	N.D.	0.740	2.22	mg/kg	50
01998	PCB-1254	11097-69-1	N.D.	0.222	1.14	mg/kg	50
01999	PCB-1260	11096-82-5	N.D.	0.740	2.22	mg/kg	50

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.3	4.5	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.45	2.2	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.45	2.2	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.45	2.2	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.45	2.2	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.45	2.2	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.90	2.2	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.45	2.2	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	2.2	6.7	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.90	2.2	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	2.2	6.7	mg/kg	5
01195	Pyrene	129-00-0	0.80 J	0.45	2.2	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.45	2.2	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.45	2.2	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.3	2.2	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.45	2.2	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.45	2.2	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	9.0	27.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.2	6.7	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.90	2.2	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.45	2.2	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.45	2.2	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.45	2.2	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.45	2.2	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.45	2.2	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.45	2.2	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.45	2.2	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102682

**Lancaster Laboratories Sample No. SW 4588967**
**05-MET-051 Grab Soil Sample**
**N(4.5'-5')**
**Former Metro Container Investigation**

Collected: 08/22/2005 12:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

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CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.45	2.2	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.45	2.2	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.90	2.2	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	2.2	6.7	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.45	2.2	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.45	2.2	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.90	2.2	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.45	2.2	mg/kg	5
03768	Fluorene	86-73-7	N.D.	0.45	2.2	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.45	2.2	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.90	2.2	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.45	2.2	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.45	2.2	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.45	2.2	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.45	2.2	mg/kg	5
03775	Phenanthrene	85-01-8	N.D.	0.45	2.2	mg/kg	5
03776	Anthracene	120-12-7	N.D.	0.45	2.2	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.90	2.2	mg/kg	5
03778	Fluoranthene	206-44-0	0.52 J	0.45	2.2	mg/kg	5
03779	Benzidine	92-87-5	N.D.	9.0	27.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.90	2.2	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	N.D.	0.45	2.2	mg/kg	5
03782	Chrysene	218-01-9	N.D.	0.45	2.2	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	1.3	4.5	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.90	4.5	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.90	2.2	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.45	2.2	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.45	2.2	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	N.D.	0.45	2.2	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.45	2.2	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.45	2.2	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.45	2.2	mg/kg	5

The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR102683

**Lancaster Laboratories Sample No. SW 4588967**
**05-MET-051 Grab Soil Sample**
**N(4.5'-5')**
**Former Metro Container Investigation**

Collected: 08/22/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--51

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.009	mg/kg	1.39
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0009	0.009	mg/kg	1.39
02020	t-Butyl alcohol	75-65-0	N.D.	0.037	0.19	mg/kg	1.39
05444	Chloromethane	74-87-3	N.D.	0.004	0.009	mg/kg	1.39
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.009	mg/kg	1.39
05446	Bromomethane	74-83-9	N.D.	0.004	0.009	mg/kg	1.39
05447	Chloroethane	75-00-3	N.D.	0.004	0.009	mg/kg	1.39
05448	Trichlorofluoromethane	75-69-4	N.D.	0.004	0.009	mg/kg	1.39
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.009	mg/kg	1.39
05450	Methylene Chloride	75-09-2	N.D.	0.004	0.009	mg/kg	1.39
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.009	mg/kg	1.39
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.009	mg/kg	1.39
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.009	mg/kg	1.39
05455	Chloroform	67-66-3	N.D.	0.002	0.009	mg/kg	1.39
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.009	mg/kg	1.39
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.009	mg/kg	1.39
05460	Benzene	71-43-2	N.D.	0.0009	0.009	mg/kg	1.39
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.009	mg/kg	1.39
05462	Trichloroethene	79-01-6	N.D.	0.002	0.009	mg/kg	1.39
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.009	mg/kg	1.39
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.009	mg/kg	1.39
05466	Toluene	108-88-3	N.D.	0.002	0.009	mg/kg	1.39
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.009	mg/kg	1.39
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.009	mg/kg	1.39
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.009	mg/kg	1.39
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.009	mg/kg	1.39
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.009	mg/kg	1.39
05478	Bromoform	75-25-2	N.D.	0.002	0.009	mg/kg	1.39
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.009	mg/kg	1.39
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.009	mg/kg	1.39
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.009	mg/kg	1.39
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.009	mg/kg	1.39

\*=This limit was used in the evaluation of the final result

AR102684

**Lancaster Laboratories Sample No. SW 4588967**
**05-MET-051 Grab Soil Sample**
**N(4.5'-5')**
**Former Metro Container Investigation**

Collected: 08/22/2005 12:00

by

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--51

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07586	Acrolein	107-02-8	N.D.	0.037	0.19	mg/kg	1.39
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.037	mg/kg	1.39

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample. Also, surrogate recoveries were outside of QC limits for the re-analysis.

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 10:37		1
06925	Thallium	SW-846 6010B	1	08/24/2005 06:15		1
06935	Arsenic	SW-846 6010B	1	08/24/2005 06:15		1
06936	Selenium	SW-846 6010B	1	08/24/2005 06:15		1
06944	Antimony	SW-846 6010B	1	08/24/2005 06:15		1
06947	Beryllium	SW-846 6010B	1	08/24/2005 06:15		1
06949	Cadmium	SW-846 6010B	1	08/24/2005 06:15		1
06951	Chromium	SW-846 6010B	1	08/24/2005 06:15		1
06953	Copper	SW-846 6010B	1	08/24/2005 06:15		1
06955	Lead	SW-846 6010B	1	08/24/2005 06:15		1
06961	Nickel	SW-846 6010B	1	08/24/2005 06:15		1

\*=This limit was used in the evaluation of the final result

AR102685



Lancaster Laboratories Sample No. SW 4588967

05-MET-051 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/22/2005 12:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--51

06966	Silver	SW-846 6010B	1	08/24/2005 06:15	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 06:15	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:01	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:43	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 13:32	[REDACTED]	50
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 02:34	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 01:50	[REDACTED]	1.39
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 01:50	[REDACTED]	1.39
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/26/2005 00:25	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:15	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:07	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:07	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588967  
 Sample wt/vol: 3.61 (g/mL) g      Lab File ID: HP09193.i/05aug30b.b/xg30s21.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec. 26      Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-15-0	Carbon disulfide	3.87	0.012	J
2.	Unknown siloxane	12.26	0.012	J B
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102687

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588967  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0849.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 26 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 19 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.138	3.3	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	3.147	26	JAB
3.	!Unknown	5.705	1.9	J
4.	!Unknown Cycloalkane	5.907	3.6	J
5.	!6-Tridecene, 7-methyl-	5.987	2.5	JX
6.	!Unknown	6.160	4.1	J
7.	!Unknown	6.369	4.8	J
8.	!Unknown	6.504	5.6	J
9.	!Unknown	6.897	1.9	J
10.	!Unknown	8.767	1.8	J
11.	!Unknown	9.068	1.9	J
12.	!Unknown	9.824	3.6	J
13.	!Unknown	9.990	2.3	J
14.	!Unknown	10.119	1.9	J
15.	!Unknown	10.267	2.9	J
16.	!Unknown	10.802	2.2	J
17.	!Unknown	11.011	2.9	J
18.	!Unknown	12.462	1.9	J
19.	!Unknown	12.855	1.8	J
20.				
21.				
22.				
23.				
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26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102688

**Lancaster Laboratories Sample No. SW 4588968**
**05-MET-129 Grab Soil Sample**
**N(5.0-5.5)**
**Former Metro Container Investigation**

Collected: 08/22/2005 08:05

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:30

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-129

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.873	0.0039	0.147	mg/kg	1
06925	Thallium	7440-28-0	3.65	1.42	2.95	mg/kg	1
06935	Arsenic	7440-38-2	15.7	0.989	2.95	mg/kg	1
06936	Selenium	7782-49-2	2.68 J	1.42	2.95	mg/kg	1
06944	Antimony	7440-36-0	2.81 J	1.21	2.95	mg/kg	1
06947	Beryllium	7440-41-7	0.943	0.0635	0.738	mg/kg	1
06949	Cadmium	7440-43-9	6.35	0.127	0.738	mg/kg	1
06951	Chromium	7440-47-3	128.	0.783	2.21	mg/kg	1
06953	Copper	7440-50-8	249.	0.443	1.48	mg/kg	1
06955	Lead	7439-92-1	543.	1.15	2.95	mg/kg	1
06961	Nickel	7440-02-0	49.1	0.487	1.48	mg/kg	1
06966	Silver	7440-22-4	0.443 J	0.281	0.738	mg/kg	1
06972	Zinc	7440-66-6	1,650.	0.679	2.95	mg/kg	1
00111	Moisture	n.a.	33.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.26	0.72	mg/kg	1
05912	Phenols	n.a.	2.5 J	1.8	5.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	2.56	12.5	mg/kg	10000
01219	Heptachlor	76-44-8	N.D.	2.56	12.5	mg/kg	10000
01220	Aldrin	309-00-2	N.D.	2.56	12.5	mg/kg	10000
01221	p,p-DDT	50-29-3	N.D.	25.6	25.6	mg/kg	10000
01222	Dieldrin	60-57-1	N.D.	4.97	25.6	mg/kg	10000
01223	Endrin	72-20-8	N.D.	4.97	25.6	mg/kg	10000
01859	Methoxychlor	72-43-5	N.D.	25.6	125.	mg/kg	10000
01981	Alpha BHC	319-84-6	N.D.	2.56	12.5	mg/kg	10000
01982	Beta BHC	319-85-7	N.D.	2.56	12.5	mg/kg	10000
01983	Delta BHC	319-86-8	N.D.	3.16	12.5	mg/kg	10000
01984	Heptachlor Epoxide	1024-57-3	N.D.	2.56	12.5	mg/kg	10000
01985	p,p-DDE	72-55-9	N.D.	4.97	25.6	mg/kg	10000
01986	p,p-DDD	72-54-8	N.D.	4.97	25.6	mg/kg	10000
01987	Chlordane	57-74-9	N.D.	60.2	256.	mg/kg	10000
01988	Toxaphene	8001-35-2	N.D.	166.	497.	mg/kg	10000
01989	Endosulfan I	959-98-8	N.D.	2.56	12.5	mg/kg	10000
01990	Endosulfan II	33213-65-9	N.D.	4.97	25.6	mg/kg	10000
01991	Endosulfan Sulfate	1031-07-8	N.D.	4.97	25.6	mg/kg	10000
01992	Endrin Aldehyde	7421-93-4	N.D.	4.97	25.6	mg/kg	10000

\*=This limit was used in the evaluation of the final result

AR102689

**Lancaster Laboratories Sample No. SW 4588968**

**05-MET-129 Grab Soil Sample**

**N(5.0-5.5)**

**Former Metro Container Investigation**

Collected: 08/22/2005 08:05

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:30

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-129

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	111.	256.	mg/kg	10000
01994	PCB-1221	11104-28-2	N.D.	49.7	256.	mg/kg	10000
01995	PCB-1232	11141-16-5	N.D.	72.3	256.	mg/kg	10000
01996	PCB-1242	53469-21-9	N.D.	45.2	256.	mg/kg	10000
01997	PCB-1248	12672-29-6	N.D.	166.	497.	mg/kg	10000
01998	PCB-1254	11097-69-1	N.D.	49.7	256.	mg/kg	10000
01999	PCB-1260	11096-82-5	1,300.	166.	497.	mg/kg	10000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDT.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	3.8	13.	mg/kg	5
01185	Phenol	108-95-2	N.D.	1.3	6.3	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	1.3	6.3	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	1.3	6.3	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.3	6.3	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.3	6.3	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2.5	6.3	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	1.3	6.3	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	6.3	19.	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	2.5	6.3	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	6.3	19.	mg/kg	5
01195	Pyrene	129-00-0	42.	1.3	6.3	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	1.3	6.3	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	1.3	6.3	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	3.8	6.3	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	1.3	6.3	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	1.3	6.3	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	25.	75.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	6.3	19.	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	2.5	6.3	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.3	6.3	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	1.3	6.3	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	1.3	6.3	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.3	6.3	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	1.3	6.3	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102690

**Lancaster Laboratories Sample No. SW 4588968**
**05-MET-129 Grab Soil Sample**
**N(5.0-5.5)**
**Former Metro Container Investigation**

Collected: 08/22/2005 08:05

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:30

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-129

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	1.3	6.3	mg/kg	5
03759	Isophorone	78-59-1	N.D.	1.3	6.3	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.3	6.3	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	1.3	6.3	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	2.5	6.3	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	6.3	19.	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	1.3	6.3	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	1.3	6.3	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	2.5	6.3	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	1.3	6.3	mg/kg	5
03768	Fluorene	86-73-7	N.D.	1.3	6.3	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.3	6.3	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	2.5	6.3	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	1.3	6.3	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	1.3	6.3	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	1.3	6.3	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	1.3	6.3	mg/kg	5
03775	Phenanthrene	85-01-8	7.4	1.3	6.3	mg/kg	5
03776	Anthracene	120-12-7	9.5	1.3	6.3	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	2.5	6.3	mg/kg	5
03778	Fluoranthene	206-44-0	23.	1.3	6.3	mg/kg	5
03779	Benzidine	92-87-5	N.D.	25.	75.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	2.5	6.3	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	21.	1.3	6.3	mg/kg	5
03782	Chrysene	218-01-9	50.	1.3	6.3	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	3.8	13.	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	2.5 J	2.5	13.	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	2.5	6.3	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	3.1 J	1.3	6.3	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	1.7 J	1.3	6.3	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	2.9 J	1.3	6.3	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.3	6.3	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	1.3	6.3	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	1.3 J	1.3	6.3	mg/kg	5

The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.

Due to sample matrix interferences observed during the extraction, the

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4588968

05-MET-129 Grab Soil Sample  
N(5.0-5.5)  
Former Metro Container Investigation

Collected: 08/22/2005 08:05

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07  
Reported: 09/07/2005 at 16:30  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-129

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
normal reporting limits could not be obtained.							
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.05
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.05
02020	t-Butyl alcohol	75-65-0	N.D.	0.032	0.16	mg/kg	1.05
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.05
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.05
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.05
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.05
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.05
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.05
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.008	mg/kg	1.05
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.05
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.008	mg/kg	1.05
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.008	mg/kg	1.05
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.05
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.05
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.05
05460	Benzene	71-43-2	0.005 J	0.0008	0.008	mg/kg	1.05
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.05
05462	Trichloroethene	79-01-6	0.002 J	0.002	0.008	mg/kg	1.05
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.05
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.05
05466	Toluene	108-88-3	0.005 J	0.002	0.008	mg/kg	1.05
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.05
05468	Tetrachloroethene	127-18-4	0.004 J	0.002	0.008	mg/kg	1.05
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.05
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	1.05
05474	Ethylbenzene	100-41-4	0.002 J	0.002	0.008	mg/kg	1.05
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.05
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.05
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.05

\*=This limit was used in the evaluation of the final result

AR102692

**Lancaster Laboratories Sample No. SW 4588968**
**05-MET-129 Grab Soil Sample**
**N(5.0-5.5)**
**Former Metro Container Investigation**

Collected: 08/22/2005 08:05

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:30

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-129

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.05
06301	Xylene (Total)	1330-20-7	0.006 J	0.002	0.008	mg/kg	1.05
07586	Acrolein	107-02-8	N.D.	0.032	0.16	mg/kg	1.05
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.032	mg/kg	1.05

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

## 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

## 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 10:38	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102693



Lancaster Laboratories Sample No. SW 4588968

05-MET-129 Grab Soil Sample

N(5.0-5.5)

Former Metro Container Investigation

Collected: 08/22/2005 08:05

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:30

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-129

06961	Nickel	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 06:30	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:02	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:46	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 13:52	[REDACTED]	10000
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 02:56	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 02:13	[REDACTED]	1.05
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 02:13	[REDACTED]	1.05
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/26/2005 00:25	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:32	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:08	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:08	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR102694

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588968  
 Sample wt/vol: 4.76 (g/mL) g      Lab File ID: HP09193.i/05aug30b.b/xg30s22.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec. 34      Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 14

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown alicyclic	11.67	0.072	J
2.	!Unknown	11.89	0.037	J
3.	!Unknown	11.93	0.077	J
4.	!Unknown	12.06	0.054	J
5.	!Unknown	12.26	0.052	J
6.	!Unknown	12.29	0.052	J
7.	!Unknown	12.46	0.053	J
8.	!Unknown	12.51	0.033	J
9.	!Unknown alkane	12.68	0.036	J
10.	!Unknown alkane	12.80	0.033	J
11.	!Unknown	12.91	0.039	J
12.	!Unknown	12.96	0.033	J
13.	!Unknown aromatic	13.30	0.080	J
14.	!Unknown	13.75	0.033	J
15.				
16.				
17.				
18.				
19.				
20.				
21.				
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24.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102695

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588968  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0850.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 34 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.147	31	JAB
2.	Unknown	7.162	48	J
3.	9H-Fluorene, 3-methyl-	7.949	13	JX
4.	Unknown	8.379	30	J
5.	Phenanthrene, 2-methyl-	8.699	49	JX
6.	Anthracene, 2-methyl-	8.736	98	JX
7.	Tricyclo[8.2.2.2(4,7)]hexade	8.920	28	JX
8.	Phenanthrene, 2,7-dimethyl-	9.123	70	JX
9.	Unknown	9.326	24	J
10.	Unknown	9.511	62	J
11.	Unknown	9.578	91	J
12.	Pyrene, 1-methyl-	9.652	120	JX
13.	Pyrene, 2-methyl-	9.738	230	JX
14.	11H-Benzo[b]fluorene	9.800	280	JX
15.	Pyrene, 4-methyl-	9.935	81	JX
16.	Unknown	10.107	200	J
17.	1,1'-Biphenyl, 2,2',3,3',4,6'	10.175	330	JX
18.	Unknown	10.199	66	J
19.	1,1'-Biphenyl, 2,2',3,4,4',5'	10.341	57	JX
20.	1,1'-Biphenyl, 2,2',3,3',4,5'	10.390	61	JX
21.	1,1'-Biphenyl, 2,2',3,3',4,5'	10.765	270	JX
22.	1,1'-Biphenyl, 2,2',3,3',4,4'	10.808	190	JX
23.	1,1'-Biphenyl, 2,2',3,3',4,4'	10.992	120	JX
24.	1,1'-Biphenyl, 2,2',3,3',4,4'	11.140	47	JX
25.	1,1'-Biphenyl, 2,2',3,3',4,4'	11.404	87	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102696

Lancaster Laboratories Sample No. SW 4588969

05-MET-072 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/22/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:31

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--72

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	3.97	0.0650	2.44	mg/kg	20
06925	Thallium	7440-28-0	2.69	1.18	2.45	mg/kg	1
06935	Arsenic	7440-38-2	6.13	0.821	2.45	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.18	2.45	mg/kg	1
06944	Antimony	7440-36-0	1.50	1.00	2.45	mg/kg	1
06947	Beryllium	7440-41-7	1.34	0.0527	0.613	mg/kg	1
06949	Cadmium	7440-43-9	33.9	0.105	0.613	mg/kg	1
06951	Chromium	7440-47-3	130.	0.649	1.84	mg/kg	1
06953	Copper	7440-50-8	636.	0.368	1.23	mg/kg	1
06955	Lead	7439-92-1	591.	0.956	2.45	mg/kg	1
06961	Nickel	7440-02-0	124.	0.404	1.23	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.233	0.613	mg/kg	1
06972	Zinc	7440-66-6	317.	0.564	2.45	mg/kg	1
00111	Moisture	n.a.	19.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.4	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	1.05	5.14	mg/kg	5000
01219	Heptachlor	76-44-8	N.D.	1.05	5.14	mg/kg	5000
01220	Aldrin	309-00-2	N.D.	1.05	5.14	mg/kg	5000
01221	p,p-DDT	50-29-3	N.D.	2.04	10.5	mg/kg	5000
01222	Dieldrin	60-57-1	N.D.	18.8	18.8	mg/kg	5000
01223	Endrin	72-20-8	N.D.	10.5	10.5	mg/kg	5000
01859	Methoxychlor	72-43-5	N.D.	10.5	51.4	mg/kg	5000
01981	Alpha BHC	319-84-6	N.D.	1.05	5.14	mg/kg	5000
01982	Beta BHC	319-85-7	N.D.	1.05	5.14	mg/kg	5000
01983	Delta BHC	319-86-8	N.D.	1.30	5.14	mg/kg	5000
01984	Heptachlor Epoxide	1024-57-3	N.D.	1.05	5.14	mg/kg	5000
01985	p,p-DDE	72-55-9	N.D.	13.9	13.9	mg/kg	5000
01986	p,p-DDD	72-54-8	N.D.	2.04	10.5	mg/kg	5000
01987	Chlordane	57-74-9	N.D.	24.8	105.	mg/kg	5000
01988	Toxaphene	8001-35-2	N.D.	68.1	204.	mg/kg	5000
01989	Endosulfan I	959-98-8	N.D.	1.05	5.14	mg/kg	5000
01990	Endosulfan II	33213-65-9	N.D.	2.04	10.5	mg/kg	5000
01991	Endosulfan Sulfate	1031-07-8	N.D.	2.04	10.5	mg/kg	5000
01992	Endrin Aldehyde	7421-93-4	N.D.	2.04	10.5	mg/kg	5000

\*=This limit was used in the evaluation of the final result

AR102697

Lancaster Laboratories Sample No. SW 4588969

05-MET-072 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/22/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:31

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--72

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	45.8	105.	mg/kg	5000
01994	PCB-1221	11104-28-2	N.D.	20.4	105.	mg/kg	5000
01995	PCB-1232	11141-16-5	N.D.	29.7	105.	mg/kg	5000
01996	PCB-1242	53469-21-9	N.D.	18.6	105.	mg/kg	5000
01997	PCB-1248	12672-29-6	N.D.	20.4	204.	mg/kg	5000
01998	PCB-1254	11097-69-1	417.	20.4	105.	mg/kg	5000
01999	PCB-1260	11096-82-5	339.	68.1	204.	mg/kg	5000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, dieldrin, and endrin.

Despite cleanup methods, we were unable to reach our usual reporting limits.

## 04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	1.2	4.1	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.41	2.1	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.41	2.1	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	1.6 J	0.41	2.1	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.41	2.1	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	1.7 J	0.41	2.1	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.83	2.1	mg/kg	5
01191	Acenaphthene	83-32-9	1.2 J	0.41	2.1	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	2.1	6.2	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.83	2.1	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	2.1	6.2	mg/kg	5
01195	Pyrene	129-00-0	7.8	0.41	2.1	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	6.3	0.41	2.1	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.41	2.1	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	1.2	2.1	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.41	2.1	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.41	2.1	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	8.3	25.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	2.1	6.2	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.83	2.1	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.41	2.1	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.41	2.1	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	56.	0.83	4.1	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.41	2.1	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.41	2.1	mg/kg	5

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. SW 4588969**
**05-MET-072 Grab Soil Sample**
**N(4-4.5)**
**Former Metro Container Investigation**

Collected: 08/22/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:31

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--72

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.		0.41	2.1	mg/kg	5
03759	Isophorone	78-59-1	N.D.		0.41	2.1	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.		0.41	2.1	mg/kg	5
03761	Naphthalene	91-20-3	33.		0.41	2.1	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.		0.83	2.1	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.		2.1	6.2	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.		0.41	2.1	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.		0.41	2.1	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.		0.83	2.1	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.		0.41	2.1	mg/kg	5
03768	Fluorene	86-73-7	1.0	J	0.41	2.1	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.		0.41	2.1	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.		0.83	2.1	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.		0.41	2.1	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.		0.41	2.1	mg/kg	5
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.		0.41	2.1	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.		0.41	2.1	mg/kg	5
03775	Phenanthrene	85-01-8	6.6		0.41	2.1	mg/kg	5
03776	Anthracene	120-12-7	0.94	J	0.41	2.1	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	1.0	J	0.83	2.1	mg/kg	5
03778	Fluoranthene	206-44-0	3.8		0.41	2.1	mg/kg	5
03779	Benzidine	92-87-5	N.D.		8.3	25.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	1.3	J	0.83	2.1	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	2.6		0.41	2.1	mg/kg	5
03782	Chrysene	218-01-9	4.2		0.41	2.1	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.		1.2	4.1	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	22.		0.83	4.1	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.		0.83	2.1	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	1.2	J	0.41	2.1	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	0.46	J	0.41	2.1	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	1.3	J	0.41	2.1	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.41	2.1	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.		0.41	2.1	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	1.3	J	0.41	2.1	mg/kg	5

The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.

Due to sample matrix interferences observed during the extraction, the

\*=This limit was used in the evaluation of the final result

AR102699

**Lancaster Laboratories Sample No. SW 4588969**

**05-MET-072 Grab Soil Sample**

**N(4-4.5)**

**Former Metro Container Investigation**

Collected: 08/22/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:31

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--72

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
normal reporting limits could not be obtained.							
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.39	1.9	mg/kg	311.33
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.19	1.9	mg/kg	311.33
02020	t-Butyl alcohol	75-65-0	N.D.	7.7	39.	mg/kg	311.33
05444	Chloromethane	74-87-3	N.D.	0.77	1.9	mg/kg	311.33
05445	Vinyl Chloride	75-01-4	N.D.	0.39	1.9	mg/kg	311.33
05446	Bromomethane	74-83-9	N.D.	0.77	1.9	mg/kg	311.33
05447	Chloroethane	75-00-3	N.D.	0.77	1.9	mg/kg	311.33
05448	Trichlorofluoromethane	75-69-4	N.D.	0.77	1.9	mg/kg	311.33
05449	1,1-Dichloroethene	75-35-4	N.D.	0.39	1.9	mg/kg	311.33
05450	Methylene Chloride	75-09-2	N.D.	0.77	1.9	mg/kg	311.33
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.39	1.9	mg/kg	311.33
05452	1,1-Dichloroethane	75-34-3	N.D.	0.39	1.9	mg/kg	311.33
05454	cis-1,2-Dichloroethene	156-59-2	3.8	0.39	1.9	mg/kg	311.33
05455	Chloroform	67-66-3	N.D.	0.39	1.9	mg/kg	311.33
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.39	1.9	mg/kg	311.33
05458	Carbon Tetrachloride	56-23-5	N.D.	0.39	1.9	mg/kg	311.33
05460	Benzene	71-43-2	0.41 J	0.19	1.9	mg/kg	311.33
05461	1,2-Dichloroethane	107-06-2	N.D.	0.39	1.9	mg/kg	311.33
05462	Trichloroethene	79-01-6	1.4 J	0.39	1.9	mg/kg	311.33
05463	1,2-Dichloropropane	78-87-5	N.D.	0.39	1.9	mg/kg	311.33
05465	Bromodichloromethane	75-27-4	N.D.	0.39	1.9	mg/kg	311.33
05466	Toluene	108-88-3	4.0	0.39	1.9	mg/kg	311.33
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.39	1.9	mg/kg	311.33
05468	Tetrachloroethene	127-18-4	0.53 J	0.39	1.9	mg/kg	311.33
05470	Dibromochloromethane	124-48-1	N.D.	0.39	1.9	mg/kg	311.33
05472	Chlorobenzene	108-90-7	N.D.	0.39	1.9	mg/kg	311.33
05474	Ethylbenzene	100-41-4	42.	0.39	1.9	mg/kg	311.33
05478	Bromoform	75-25-2	N.D.	0.39	1.9	mg/kg	311.33
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.39	1.9	mg/kg	311.33
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.39	1.9	mg/kg	311.33

\*=This limit was used in the evaluation of the final result

AR102700

Lancaster Laboratories Sample No. SW 4588969

05-MET-072 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/22/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:31

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--72

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.39	1.9	mg/kg	311.33
06301	Xylene (Total)	1330-20-7	39.	0.39	1.9	mg/kg	311.33
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.77	3.9	mg/kg	311.33
07586	Acrolein	107-02-8	N.D.	7.7	39.	mg/kg	311.33
07587	Acrylonitrile	107-13-1	N.D.	1.5	7.7	mg/kg	311.33

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 11:04	[REDACTED]	20
06925	Thallium	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102701



Lancaster Laboratories Sample No. SW 4588969

05-MET-072 Grab Soil Sample

N(4-4.5)

Former Metro Container Investigation

Collected: 08/22/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:31

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--72

06953	Copper	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 06:34	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:03	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:48	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 14:13	[REDACTED]	5000
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 03:18	[REDACTED]	5
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 10:48	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 16:40	[REDACTED]	311.33
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 16:40	[REDACTED]	311.33
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/26/2005 00:25	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:19	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:09	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:09	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4588969  
 Sample wt/vol: 8.03 (g/mL) g Lab File ID: HP07536.i/05aug25b.b/qg25s06.d  
 Level: (low/med) MED Date Received: 08/22/05  
 % Moisture: not dec. 19 Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP Dilution Factor: 311.3  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown aromatic	12.93	9.5	J
2.	!Unknown aromatic	13.24	6.7	J
3.	!Unknown aromatic	13.42	7.4	J
4.	!Unknown aromatic	13.49	46	J
5.	!Unknown aromatic	13.57	5.3	J
6.	!Unknown aromatic	13.62	7.6	J
7.	!Unknown aromatic	13.64	6.6	J
8.	!Unknown aromatic	13.69	12	J
9.	!Unknown aromatic	13.91	5.7	J
10.	!Unknown aromatic	13.96	12	J
11.	!Unknown aromatic	14.00	17	J
12.	!Unknown	14.29	9.7	J
13.	!Unknown aromatic	14.52	4.6	J
14. 91-20-3	!Naphthalene	14.75	10	J
15.	!Unknown	15.24	16	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102703

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588969  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0851.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 19 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 2000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.147	670	JAB
2.	Unknown	4.192	49	J
3.	Benzene, 1,2,3-trimethyl-	4.327	850	JX
4.	3a,6-Methano-3ah-indene, 2,3	4.733	1000	JX
5.	Unknown Alkane	4.955	47	J
6.	Benzene, 1,2,4,5-tetramethyl	5.108	74	JX
7.	Benzene, 1,2,4,5-tetramethyl	5.127	110	JX
8.	1H-Indene, 2,3-dihydro-5-met	5.262	44	JX
9.	Unknown	5.317	78	J
10.	Unknown	5.852	82	J
11.	Unknown	7.875	160	J
12.	Unknown	8.139	160	J
13.	Unknown	8.379	190	J
14.	1,1'-Biphenyl, pentachloro-	9.351	10	JX
15.	1,1'-Biphenyl, 2,3,3',4,4'-p	9.591	15	JX
16.	1,1'-Biphenyl, 2,2',3,3',4,5	9.658	8.6	JX
17.	1,1'-Biphenyl, 2,3',4,4',5,5	9.738	9.0	JX
18.	1,1'-Biphenyl, 2,2',4,6,6'-P	9.769	6.2	JX
19.	Unknown	9.990	11	J
20.	1,1'-Biphenyl, hexachloro-	10.089	9.8	JX
21.	9-Anthracenamine, 9,10-dihyd	10.119	8.9	JX
22.	1,1'-Biphenyl, 2,3,3',4,4',5	10.181	15	JX
23.	Unknown	10.341	16	J
24.	1,2-Benzenedicarboxylic acid	10.482	25	JX
25.	Unknown	10.525	17	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102704

**Lancaster Laboratories Sample No. SW 4588970**

**05-MET-128 Grab Soil Sample**

**N(6.75-7.25)**

**Former Metro Container Investigation**

Collected: 08/22/2005 09:35

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:32

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-128

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.178	0.0036	0.134	mg/kg	1
06925	Thallium	7440-28-0	2.20 J	1.27	2.65	mg/kg	1
06935	Arsenic	7440-38-2	8.18	0.889	2.65	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.27	2.65	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.09	2.65	mg/kg	1
06947	Beryllium	7440-41-7	1.11	0.0570	0.663	mg/kg	1
06949	Cadmium	7440-43-9	1.14	0.114	0.663	mg/kg	1
06951	Chromium	7440-47-3	53.1	0.703	1.99	mg/kg	1
06953	Copper	7440-50-8	66.0	0.398	1.33	mg/kg	1
06955	Lead	7439-92-1	92.8	1.03	2.65	mg/kg	1
06961	Nickel	7440-02-0	27.7	0.438	1.33	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.252	0.663	mg/kg	1
06972	Zinc	7440-66-6	238.	0.610	2.65	mg/kg	1
00111	Moisture	n.a.	26.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.25	0.68	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.7	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00116	0.00567	mg/kg	5
01219	Heptachlor	76-44-8	N.D.	0.00116	0.00567	mg/kg	5
01220	Aldrin	309-00-2	N.D.	0.00116	0.00567	mg/kg	5
01221	p,p-DDT	50-29-3	0.00365 J	0.00225	0.0116	mg/kg	5
01222	Dieldrin	60-57-1	N.D.	0.00225	0.0116	mg/kg	5
01223	Endrin	72-20-8	N.D.	0.00225	0.0116	mg/kg	5
01859	Methoxychlor	72-43-5	N.D.	0.0116	0.0567	mg/kg	5
01981	Alpha BHC	319-84-6	N.D.	0.00116	0.00567	mg/kg	5
01982	Beta BHC	319-85-7	N.D.	0.00116	0.00567	mg/kg	5
01983	Delta BHC	319-86-8	N.D.	0.00143	0.00567	mg/kg	5
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00116	0.00567	mg/kg	5
01985	p,p-DDE	72-55-9	0.00644 J	0.00225	0.0116	mg/kg	5
01986	p,p-DDD	72-54-8	0.0133	0.00225	0.0116	mg/kg	5
01987	Chlordane	57-74-9	N.D.	0.0273	0.116	mg/kg	5
01988	Toxaphene	8001-35-2	N.D.	0.0751	0.225	mg/kg	5
01989	Endosulfan I	959-98-8	N.D.	0.00116	0.00567	mg/kg	5
01990	Endosulfan II	33213-65-9	N.D.	0.00225	0.0116	mg/kg	5
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00225	0.0116	mg/kg	5
01992	Endrin Aldehyde	7421-93-4	0.00435 J	0.00225	0.0116	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102705

**Lancaster Laboratories Sample No. SW 4588970**
**05-MET-128 Grab Soil Sample**
**N(6.75-7.25)**
**Former Metro Container Investigation**

Collected: 08/22/2005 09:35

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:32

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-128

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0505	0.116	mg/kg	5
01994	PCB-1221	11104-28-2	N.D.	0.0225	0.116	mg/kg	5
01995	PCB-1232	11141-16-5	N.D.	0.0328	0.116	mg/kg	5
01996	PCB-1242	53469-21-9	N.D.	0.0205	0.116	mg/kg	5
01997	PCB-1248	12672-29-6	N.D.	0.0751	0.225	mg/kg	5
01998	PCB-1254	11097-69-1	N.D.	0.0225	0.116	mg/kg	5
01999	PCB-1260	11096-82-5	N.D.	0.0751	0.225	mg/kg	5

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.14	0.46	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.046	0.23	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.046	0.23	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.046	0.23	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.046	0.23	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.046	0.23	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.091	0.23	mg/kg	1
01191	Acenaphthene	83-32-9	0.069 J	0.046	0.23	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.23	0.68	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.091	0.23	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.23	0.68	mg/kg	1
01195	Pyrene	129-00-0	1.2	0.046	0.23	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.052 J	0.046	0.23	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.046	0.23	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.14	0.23	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.046	0.23	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.046	0.23	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.91	2.7	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.23	0.68	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.091	0.23	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.046	0.23	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.046	0.23	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.046	0.23	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.046	0.23	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.046	0.23	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.046	0.23	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.046	0.23	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.046	0.23	mg/kg	1
03761	Naphthalene	91-20-3	0.049 J	0.046	0.23	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102706

Lancaster Laboratories Sample No. SW 4588970

05-MET-128 Grab Soil Sample

N(6.75-7.25)

Former Metro Container Investigation

Collected: 08/22/2005 09:35

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:32

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-128

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.091	0.23	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.23	0.68	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.046	0.23	mg/kg	1
03765	Acenaphthylene	208-96-8	0.073 J	0.046	0.23	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.091	0.23	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.046	0.23	mg/kg	1
03768	Fluorene	86-73-7	0.10 J	0.046	0.23	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.046	0.23	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.091	0.23	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.046	0.23	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.046	0.23	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.046	0.23	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.046	0.23	mg/kg	1
03775	Phenanthrene	85-01-8	0.99	0.046	0.23	mg/kg	1
03776	Anthracene	120-12-7	0.24	0.046	0.23	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.091	0.23	mg/kg	1
03778	Fluoranthene	206-44-0	1.2	0.046	0.23	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.91	2.7	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.091	0.23	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.62	0.046	0.23	mg/kg	1
03782	Chrysene	218-01-9	0.60	0.046	0.23	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.14	0.46	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.091	0.46	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.091	0.23	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.69	0.046	0.23	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.34	0.046	0.23	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.56	0.046	0.23	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.31	0.046	0.23	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.11 J	0.046	0.23	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.35	0.046	0.23	mg/kg	1
The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.95
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR102707

Lancaster Laboratories Sample No. SW 4588970

05-MET-128 Grab Soil Sample

N(6.75-7.25)

Former Metro Container Investigation

Collected: 08/22/2005 09:35

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:32

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-128

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.95
02020	t-Butyl alcohol	75-65-0	N.D.	0.026	0.13	mg/kg	0.95
05444	Chloromethane	74-87-3	N.D.	0.003	0.006	mg/kg	0.95
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.95
05446	Bromomethane	74-83-9	N.D.	0.003	0.006	mg/kg	0.95
05447	Chloroethane	75-00-3	N.D.	0.003	0.006	mg/kg	0.95
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.006	mg/kg	0.95
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.95
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.006	mg/kg	0.95
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.95
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.95
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.95
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.95
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.95
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.95
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.95
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.95
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.95
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.95
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.95
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.95
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.95
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.95
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.95
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.95
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.95
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.95
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.95
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.95
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.95
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.95
07586	Acrolein	107-02-8	N.D.	0.026	0.13	mg/kg	0.95
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.026	mg/kg	0.95

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102708

Lancaster Laboratories Sample No. SW 4588970

05-MET-128 Grab Soil Sample

N(6.75-7.25)

Former Metro Container Investigation

Collected: 08/22/2005 09:35

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:32

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-128

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 10:44	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 06:39	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:04	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:49	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/29/2005 22:29	[REDACTED]	5
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 03:41	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 02:36	[REDACTED]	0.95
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 02:36	[REDACTED]	0.95
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102709



**Lancaster Laboratories Sample No. SW 4588970**

**05-MET-128 Grab Soil Sample**

**N(6.75-7.25)**

**Former Metro Container Investigation**

Collected: 08/22/2005 09:35

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:32

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-128

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/26/2005 00:25	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:22	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:10	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:10	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588970  
 Sample wt/vol: 5.28 (g/mL) g      Lab File ID: HP09193.i/05aug30b.b/xg30s23.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec. 27      Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.93	0.033	J
2.				
3.				
4.				
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page 1 of 1

FORM I VOA-TIC

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588970  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0852.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 27 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.132	.30	J
2.	!Benzene, ethenylmethyl-	4.340	.28	JX
3.	!Unknown	4.641	1.3	J
4.	!Unknown	5.299	.33	J
5.	!Unknown	5.766	.43	J
6.	!Unknown	7.272	.32	J
7.	!Anthracene, 9-methyl-	8.699	.23	JX
8.	!Naphthalene, 2-phenyl-	8.920	.20	JX
9.	!9,10-Dimethylantracene	9.135	.36	JX
10.	!11H-Benzo[b]fluorene	9.646	2.0	JX
11.	!Pyrene, 1-methyl-	9.738	.29	JX
12.	!Pyrene, 1-methyl-	9.935	.71	JX
13.	!Unknown Alkane	10.070	.54	J
14.	!Unknown	10.175	.26	J
15.	!Unknown	10.359	1.3	J
16.	!Unknown Alkane	10.648	.57	J
17.	!Triphenylene, 2-methyl-	10.851	.40	JX
18.	!Unknown Alkane	11.515	.39	J
19.	!Benz[e]acephenanthrylene	11.712	.41	JX
20.	!Unknown	12.148	.39	J
21.	!Unknown	12.616	.35	J
22.	!.beta.-Sitosterol	13.692	1.7	JX
23.	!Unknown	13.870	.49	J
24.	!Unknown	14.110	.33	J
25.	!Unknown	14.202	1.0	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102712

Lancaster Laboratories Sample No. SW 4588971

05-MET-071 Grab Soil Sample

N(10.25-10.75)

Former Metro Container Investigation

Collected: 08/22/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:33

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--71

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0817 J	0.0037	0.138	mg/kg	1
06925	Thallium	7440-28-0	2.81 J	1.37	2.85	mg/kg	1
06935	Arsenic	7440-38-2	8.80	0.956	2.85	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.37	2.85	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.17	2.85	mg/kg	1
06947	Beryllium	7440-41-7	1.19	0.0614	0.714	mg/kg	1
06949	Cadmium	7440-43-9	2.72	0.123	0.714	mg/kg	1
06951	Chromium	7440-47-3	39.2	0.756	2.14	mg/kg	1
06953	Copper	7440-50-8	114.	0.428	1.43	mg/kg	1
06955	Lead	7439-92-1	185.	1.11	2.85	mg/kg	1
06961	Nickel	7440-02-0	22.1	0.471	1.43	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.271	0.714	mg/kg	1
06972	Zinc	7440-66-6	426.	0.656	2.85	mg/kg	1
00111	Moisture	n.a.	31.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.61 J	0.26	0.71	mg/kg	1
05912	Phenols	n.a.	N.D.	1.8	5.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00247	0.0121	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00247	0.0121	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00247	0.0121	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.0247	0.0247	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00480	0.0247	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00480	0.0247	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0247	0.121	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00247	0.0121	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00247	0.0121	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00306	0.0121	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00247	0.0121	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.00480	0.0247	mg/kg	10
01986	p,p-DDD	72-54-8	N.D.	0.0247	0.0247	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0582	0.247	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.160	0.480	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00247	0.0121	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00480	0.0247	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00480	0.0247	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0247	0.0247	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102713

**Lancaster Laboratories Sample No. SW 4588971**
**05-MET-071 Grab Soil Sample**
**N(10.25-10.75)**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:33

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--71

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.108	0.247	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0480	0.247	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0699	0.247	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0437	0.247	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.160	0.480	mg/kg	10
01998	PCB-1254	11097-69-1	0.143 J	0.0480	0.247	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.160	0.480	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDD, 4,4'-DDT, and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.73	2.4	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.24	1.2	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.24	1.2	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.24	1.2	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.24	1.2	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.24	1.2	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.49	1.2	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.24	1.2	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.2	3.6	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.49	1.2	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.2	3.6	mg/kg	5
01195	Pyrene	129-00-0	2.5	0.24	1.2	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.24	1.2	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.24	1.2	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.73	1.2	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.24	1.2	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.24	1.2	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.9	15.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.2	3.6	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.49	1.2	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.24	1.2	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.24	1.2	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102714

**Lancaster Laboratories Sample No. SW 4588971**
**05-MET-071 Grab Soil Sample**
**N(10.25-10.75)**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:33

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--71

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.24	1.2	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.24	1.2	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.24	1.2	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.24	1.2	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.24	1.2	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.24	1.2	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.24	1.2	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.49	1.2	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.2	3.6	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.24	1.2	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.24	1.2	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.49	1.2	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.24	1.2	mg/kg	5
03768	Fluorene	86-73-7	N.D.	0.24	1.2	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.24	1.2	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.49	1.2	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.24	1.2	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.24	1.2	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.24	1.2	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.24	1.2	mg/kg	5
03775	Phenanthrene	85-01-8	1.4	0.24	1.2	mg/kg	5
03776	Anthracene	120-12-7	0.46 J	0.24	1.2	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.49	1.2	mg/kg	5
03778	Fluoranthene	206-44-0	2.6	0.24	1.2	mg/kg	5
03779	Benzidine	92-87-5	N.D.	4.9	15.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.49	1.2	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	0.99 J	0.24	1.2	mg/kg	5
03782	Chrysene	218-01-9	1.2	0.24	1.2	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.73	2.4	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.49	2.4	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.49	1.2	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	1.4	0.24	1.2	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	0.60 J	0.24	1.2	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	1.0 J	0.24	1.2	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.58 J	0.24	1.2	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.24	1.2	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	0.78 J	0.24	1.2	mg/kg	5

The recovery of phenol was above QC limits in the LCS. Since phenol was not

\*=This limit was used in the evaluation of the final result

AR102715

**Lancaster Laboratories Sample No. SW 4588971**
**05-MET-071 Grab Soil Sample**
**N(10.25-10.75)**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:33

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--71

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	detected in the sample, no further action was taken.						
	Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.						
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	0.94
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	0.94
02020	t-Butyl alcohol	75-65-0	N.D.	0.027	0.14	mg/kg	0.94
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	0.94
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	0.94
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	0.94
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	0.94
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	0.94
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	0.94
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	0.94
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	0.94
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	0.94
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	0.94
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	0.94
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	0.94
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	0.94
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	0.94
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	0.94
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	0.94
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	0.94
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	0.94
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	0.94
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	0.94
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	0.94
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	0.94
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	0.94
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	0.94
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	0.94
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	0.94
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	0.94

\*=This limit was used in the evaluation of the final result

AR102716

**Lancaster Laboratories Sample No. SW 4588971**
**05-MET-071 Grab Soil Sample**
**N(10.25-10.75)**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:33

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

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CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	0.94
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	0.94
07586	Acrolein	107-02-8	N.D.	0.027	0.14	mg/kg	0.94
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.027	mg/kg	0.94

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 10:46	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 06:44	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102717



Lancaster Laboratories Sample No. SW 4588971

05-MET-071 Grab Soil Sample

N(10.25-10.75)

Former Metro Container Investigation

Collected: 08/22/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:33

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--71

05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:06	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:50	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/29/2005 22:48	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 04:03	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 03:00	[REDACTED]	0.94
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 03:00	[REDACTED]	0.94
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/26/2005 00:25	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:23	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:11	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:11	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588971  
 Sample wt/vol: 5.3 (g/mL) g      Lab File ID: HP09193.i/05aug30b.b/xg30s24.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec. 31      Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.91	3.9	J
2.	Unknown siloxane	12.26	0.008	J B
3.				
4.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102719

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588971  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0853.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 31 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.147	27	JAB
2.	Unknown	6.172	2.7	J
3.	Naphthalene, 2,7-dimethyl-	6.657	1.6	JX
4.	Unknown	6.897	12	J
5.	Unknown	8.883	.99	J
6.	Unknown	9.086	1.4	J
7.	11H-Benzo[b]fluorene	9.738	2.0	JX
8.	Unknown	10.088	1.2	J
9.	Unknown Alkane	10.359	1.3	J
10.	Unknown Alkane	10.648	1.2	J
11.	Unknown	10.857	5.9	J
12.	Unknown Alkane	10.925	1.8	J
13.	Unknown	11.011	5.7	J
14.	Unknown	11.238	1.6	J
15.	Unknown	11.324	1.2	J
16.	Unknown Alkane	11.515	2.8	J
17.	Unknown	11.570	2.7	J
18.	Unknown	11.712	2.3	J
19.	Unknown	12.044	1.6	J
20.	Unknown	12.117	1.3	J
21.	Unknown Alkane	12.259	1.8	J
22.	Unknown	12.462	2.5	J
23.	Unknown	12.855	1.5	J
24.	Unknown	13.446	.89	J
25.	Unknown	13.704	.94	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102720

**Lancaster Laboratories Sample No. SW 4588972**

**05-MET-074 Grab Soil Sample**

**N(6.75-7.25)**

**Former Metro Container Investigation**

Collected: 08/22/2005 11:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--74

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	2.07	0.0181	0.680	mg/kg	5
06925	Thallium	7440-28-0	2.95	1.33	2.77	mg/kg	1
06935	Arsenic	7440-38-2	10.4	0.926	2.77	mg/kg	1
06936	Selenium	7782-49-2	4.82	1.33	2.77	mg/kg	1
06944	Antimony	7440-36-0	2.45 J	1.13	2.77	mg/kg	1
06947	Beryllium	7440-41-7	0.542 J	0.0595	0.691	mg/kg	1
06949	Cadmium	7440-43-9	8.18	0.119	0.691	mg/kg	1
06951	Chromium	7440-47-3	322.	0.733	2.07	mg/kg	1
06953	Copper	7440-50-8	170.	0.415	1.38	mg/kg	1
06955	Lead	7439-92-1	1,130.	1.08	2.77	mg/kg	1
06961	Nickel	7440-02-0	104.	0.456	1.38	mg/kg	1
06966	Silver	7440-22-4	0.296 J	0.263	0.691	mg/kg	1
06972	Zinc	7440-66-6	405.	0.636	2.77	mg/kg	1
00111	Moisture	n.a.	29.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.24	0.68	mg/kg	1
05912	Phenols	n.a.	2.6 J	1.7	5.0	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.240	1.17	mg/kg	1000
01219	Heptachlor	76-44-8	N.D.	0.240	1.17	mg/kg	1000
01220	Aldrin	309-00-2	N.D.	0.240	1.17	mg/kg	1000
01221	p,p-DDT	50-29-3	N.D.	0.465	2.40	mg/kg	1000
01222	Dieldrin	60-57-1	N.D.	0.465	2.40	mg/kg	1000
01223	Endrin	72-20-8	N.D.	0.465	2.40	mg/kg	1000
01859	Methoxychlor	72-43-5	N.D.	2.40	11.7	mg/kg	1000
01981	Alpha BHC	319-84-6	N.D.	0.240	1.17	mg/kg	1000
01982	Beta BHC	319-85-7	N.D.	0.240	1.17	mg/kg	1000
01983	Delta BHC	319-86-8	N.D.	0.296	1.17	mg/kg	1000
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.240	1.17	mg/kg	1000
01985	p,p-DDE	72-55-9	0.578 J	0.465	2.40	mg/kg	1000
01986	p,p-DDD	72-54-8	0.843 J	0.465	2.40	mg/kg	1000
01987	Chlordane	57-74-9	N.D.	5.64	24.0	mg/kg	1000
01988	Toxaphene	8001-35-2	N.D.	15.5	46.5	mg/kg	1000
01989	Endosulfan I	959-98-8	N.D.	0.240	1.17	mg/kg	1000
01990	Endosulfan II	33213-65-9	N.D.	0.465	2.40	mg/kg	1000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.465	2.40	mg/kg	1000
01992	Endrin Aldehyde	7421-93-4	N.D.	0.465	2.40	mg/kg	1000

\*=This limit was used in the evaluation of the final result

AR102721

**Lancaster Laboratories Sample No. SW 4588972**
**05-MET-074 Grab Soil Sample**
**N(6.75-7.25)**
**Former Metro Container Investigation**

Collected: 08/22/2005 11:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--74

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	10.4	24.0	mg/kg	1000
01994	PCB-1221	11104-28-2	N.D.	4.65	24.0	mg/kg	1000
01995	PCB-1232	11141-16-5	N.D.	6.77	24.0	mg/kg	1000
01996	PCB-1242	53469-21-9	N.D.	4.23	24.0	mg/kg	1000
01997	PCB-1248	12672-29-6	N.D.	15.5	46.5	mg/kg	1000
01998	PCB-1254	11097-69-1	N.D.	4.65	24.0	mg/kg	1000
01999	PCB-1260	11096-82-5	N.D.	15.5	46.5	mg/kg	1000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	14.	47.	mg/kg	10
01185	Phenol	108-95-2	N.D.	4.7	24.	mg/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	4.7	24.	mg/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	4.7	24.	mg/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	4.7	24.	mg/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	4.7	24.	mg/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	9.4	24.	mg/kg	10
01191	Acenaphthene	83-32-9	41.	4.7	24.	mg/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	24.	71.	mg/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	9.4	24.	mg/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	24.	71.	mg/kg	10
01195	Pyrene	129-00-0	31.	4.7	24.	mg/kg	10
02751	1-Methylnaphthalene	90-12-0	250.	4.7	24.	mg/kg	10
03746	2-Nitrophenol	88-75-5	N.D.	4.7	24.	mg/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	14.	24.	mg/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	4.7	24.	mg/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	4.7	24.	mg/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	94.	280.	mg/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	24.	71.	mg/kg	10
03752	N-Nitrosodimethylamine	62-75-9	N.D.	9.4	24.	mg/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	4.7	24.	mg/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	4.7	24.	mg/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	4.7	24.	mg/kg	10
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	4.7	24.	mg/kg	10
03757	Hexachloroethane	67-72-1	N.D.	4.7	24.	mg/kg	10
03758	Nitrobenzene	98-95-3	N.D.	4.7	24.	mg/kg	10
03759	Isophorone	78-59-1	N.D.	4.7	24.	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102722

**Lancaster Laboratories Sample No. SW 4588972**
**05-MET-074 Grab Soil Sample**
**N(6.75-7.25)**
**Former Metro Container Investigation**

Collected: 08/22/2005 11:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--74

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	4.7	24.	mg/kg	10
03761	Naphthalene	91-20-3	58.	4.7	24.	mg/kg	10
03762	Hexachlorobutadiene	87-68-3	N.D.	9.4	24.	mg/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	24.	71.	mg/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	4.7	24.	mg/kg	10
03765	Acenaphthylene	208-96-8	6.9 J	4.7	24.	mg/kg	10
03766	Dimethylphthalate	131-11-3	N.D.	9.4	24.	mg/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	4.7	24.	mg/kg	10
03768	Fluorene	86-73-7	36.	4.7	24.	mg/kg	10
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	4.7	24.	mg/kg	10
03770	Diethylphthalate	84-66-2	N.D.	9.4	24.	mg/kg	10
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	4.7	24.	mg/kg	10
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	4.7	24.	mg/kg	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	4.7	24.	mg/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	4.7	24.	mg/kg	10
03775	Phenanthrene	85-01-8	160.	4.7	24.	mg/kg	10
03776	Anthracene	120-12-7	27.	4.7	24.	mg/kg	10
03777	Di-n-butylphthalate	84-74-2	N.D.	9.4	24.	mg/kg	10
03778	Fluoranthene	206-44-0	9.1 J	4.7	24.	mg/kg	10
03779	Benzidine	92-87-5	N.D.	94.	280.	mg/kg	10
03780	Butylbenzylphthalate	85-68-7	N.D.	9.4	24.	mg/kg	10
03781	Benzo(a)anthracene	56-55-3	N.D.	4.7	24.	mg/kg	10
03782	Chrysene	218-01-9	5.9 J	4.7	24.	mg/kg	10
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	14.	47.	mg/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	9.4	47.	mg/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	9.4	24.	mg/kg	10
03786	Benzo(b)fluoranthene	205-99-2	N.D.	4.7	24.	mg/kg	10
03787	Benzo(k)fluoranthene	207-08-9	N.D.	4.7	24.	mg/kg	10
03788	Benzo(a)pyrene	50-32-8	N.D.	4.7	24.	mg/kg	10
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	4.7	24.	mg/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	4.7	24.	mg/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	4.7	24.	mg/kg	10

The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR102723

Lancaster Laboratories Sample No. SW 4588972

05-MET-074 Grab Soil Sample

N(6.75-7.25)

Former Metro Container Investigation

Collected: 08/22/2005 11:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--74

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.011	mg/kg	1.61
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.011	mg/kg	1.61
02020	t-Butyl alcohol	75-65-0	0.17 J	0.045	0.23	mg/kg	1.61
05444	Chloromethane	74-87-3	N.D.	0.005	0.011	mg/kg	1.61
05445	Vinyl Chloride	75-01-4	0.003 J	0.002	0.011	mg/kg	1.61
05446	Bromomethane	74-83-9	N.D.	0.005	0.011	mg/kg	1.61
05447	Chloroethane	75-00-3	N.D.	0.005	0.011	mg/kg	1.61
05448	Trichlorofluoromethane	75-69-4	N.D.	0.005	0.011	mg/kg	1.61
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.011	mg/kg	1.61
05450	Methylene Chloride	75-09-2	N.D.	0.005	0.011	mg/kg	1.61
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.011	mg/kg	1.61
05452	1,1-Dichloroethane	75-34-3	0.002 J	0.002	0.011	mg/kg	1.61
05454	cis-1,2-Dichloroethene	156-59-2	0.003 J	0.002	0.011	mg/kg	1.61
05455	Chloroform	67-66-3	N.D.	0.002	0.011	mg/kg	1.61
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.011	mg/kg	1.61
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.011	mg/kg	1.61
05460	Benzene	71-43-2	0.013	0.001	0.011	mg/kg	1.61
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.011	mg/kg	1.61
05462	Trichloroethene	79-01-6	0.008 J	0.002	0.011	mg/kg	1.61
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.011	mg/kg	1.61
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.011	mg/kg	1.61
05466	Toluene	108-88-3	0.18	0.002	0.011	mg/kg	1.61
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.011	mg/kg	1.61
05468	Tetrachloroethene	127-18-4	0.004 J	0.002	0.011	mg/kg	1.61
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.011	mg/kg	1.61
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.011	mg/kg	1.61
05474	Ethylbenzene	100-41-4	0.13	0.002	0.011	mg/kg	1.61
05478	Bromoform	75-25-2	N.D.	0.002	0.011	mg/kg	1.61
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.011	mg/kg	1.61

\*=This limit was used in the evaluation of the final result

AR102724

**Lancaster Laboratories Sample No. SW 4588972**
**05-MET-074 Grab Soil Sample**
**N(6.75-7.25)**
**Former Metro Container Investigation**

Collected: 08/22/2005 11:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--74

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.011	mg/kg	1.61
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.011	mg/kg	1.61
06301	Xylene (Total)	1330-20-7	0.85	0.002	0.011	mg/kg	1.61
07586	Acrolein	107-02-8	N.D.	0.045	0.23	mg/kg	1.61
07587	Acrylonitrile	107-13-1	N.D.	0.009	0.045	mg/kg	1.61

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 11:06	<span style="background-color: black; color: black;">[REDACTED]</span>	5
06925	Thallium	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06936	Selenium	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06944	Antimony	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06951	Chromium	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06953	Copper	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06955	Lead	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06961	Nickel	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06966	Silver	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
06972	Zinc	SW-846 6010B	1	08/24/2005 06:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR102725



Lancaster Laboratories Sample No. SW 4588972

05-MET-074 Grab Soil Sample

N(6.75-7.25)

Former Metro Container Investigation

Collected: 08/22/2005 11:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--74

00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:07	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:51	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 16:37	[REDACTED]	1000
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 04:25	[REDACTED]	10
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/29/2005 03:12	[REDACTED]	1.61
07584	PPL Volatiles	SW-846 8260B	1	08/29/2005 03:12	[REDACTED]	1.61
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/26/2005 00:25	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:25	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:12	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:12	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4588972  
 Sample wt/vol: 3.11 (g/mL) g Lab File ID: HP09193.i/05aug29a.b/xg29s03.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: not dec. 29 Date Analyzed: 08/29/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown alkane	11.40	1.6	J
2.	Unknown aromatic	12.41	1.1	J
3.	Unknown alkane	12.47	4.6	J
4.	Unknown alkane	12.69	0.95	J
5.	Unknown aromatic	12.76	1.7	J
6.	Unknown alicyclic	12.93	1.1	J
7.	Unknown alkane	13.32	2.2	J
8.	Unknown aromatic	14.04	1.2	J
9.	Unknown aromatic	14.14	1.5	J
10.	Unknown aromatic	14.45	1.6	J
11. 91-20-3	Naphthalene	14.58	1.2	J
12.	Unknown alkane	14.70	0.97	J
13.	Unknown aromatic	14.93	1.3	J
14.	Unknown aromatic	15.07	0.99	J
15. 91-57-6	Naphthalene, 2-methyl-	15.34	2.1	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102727

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588972  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0854.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 29 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1H-Indene, 2,3-dihydro-4,7-d	6.030	100	JX
2.91-57-6	Naphthalene, 2-methyl-	6.135	190	J
3.	Unknown	6.602	2100	J
4.	Naphthalene, 1,7-dimethyl-	6.664	3800	JX
5.	Naphthalene, 1,3-dimethyl-	6.725	6300	JX
6.	Naphthalene, 2,3-dimethyl-	6.891	3700	JX
7.	Unknown	7.094	2700	J
8.	Naphthalene, 1,6,7-trimethyl	7.174	3400	JX
9.	Naphthalene, 1,6,7-trimethyl	7.211	2200	JX
10.	Naphthalene, 1,6,7-trimethyl	7.297	2400	JX
11.	Naphthalene, 1,4,5-trimethyl	7.365	2400	JX
12.	1-Isopropenyl naphthalene	7.525	4200	JX
13.	Unknown Alkane	7.758	150	J
14.	Unknown	7.949	110	J
15.	4,4'-Dimethylbiphenyl	7.955	180	JX
16.	Unknown	8.047	120	J
17.	Unknown Alkane	8.133	120	J
18.	Unknown	8.348	120	J
19.	Unknown Alkane	8.490	120	J
20.	Phenanthrene, 2-methyl-	8.699	190	JX
21.	1H-Cyclopropa[1]phenanthrene	8.767	120	JX
22.	Unknown Alkane	8.834	110	J
23.	Phenanthrene, 2,7-dimethyl-	9.074	170	JX
24.	Unknown Alkane	9.467	200	J
25.	Unknown Alkane	10.925	350	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102728

**Lancaster Laboratories Sample No. SW 4588973**

**05-MET-075 Grab Soil Sample**

**N(3.75-4.25)**

**Former Metro Container Investigation**

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--75

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	11.6	0.152	5.70	mg/kg	40
06925	Thallium	7440-28-0	4.59	1.36	2.83	mg/kg	1
06935	Arsenic	7440-38-2	9.38	0.948	2.83	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.36	2.83	mg/kg	1
06944	Antimony	7440-36-0	9.34	1.16	2.83	mg/kg	1
06947	Beryllium	7440-41-7	6.05	0.0609	0.708	mg/kg	1
06949	Cadmium	7440-43-9	28.5	0.122	0.708	mg/kg	1
06951	Chromium	7440-47-3	434.	0.750	2.12	mg/kg	1
06953	Copper	7440-50-8	24,700.	0.425	1.42	mg/kg	1
06955	Lead	7439-92-1	4,730.	1.10	2.83	mg/kg	1
06961	Nickel	7440-02-0	251.	0.467	1.42	mg/kg	1
06966	Silver	7440-22-4	4.47	0.269	0.708	mg/kg	1
06972	Zinc	7440-66-6	8,150.	0.651	2.83	mg/kg	1
00111	Moisture	n.a.	31.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.26	0.73	mg/kg	1
05912	Phenols	n.a.	N.D.	1.7	5.0	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.496	2.42	mg/kg	2000
01219	Heptachlor	76-44-8	N.D.	0.496	2.42	mg/kg	2000
01220	Aldrin	309-00-2	N.D.	0.496	2.42	mg/kg	2000
01221	p,p-DDT	50-29-3	N.D.	0.962	4.96	mg/kg	2000
01222	Dieldrin	60-57-1	N.D.	0.962	4.96	mg/kg	2000
01223	Endrin	72-20-8	N.D.	0.962	4.96	mg/kg	2000
01859	Methoxychlor	72-43-5	N.D.	4.96	24.2	mg/kg	2000
01981	Alpha BHC	319-84-6	N.D.	0.496	2.42	mg/kg	2000
01982	Beta BHC	319-85-7	N.D.	0.496	2.42	mg/kg	2000
01983	Delta BHC	319-86-8	N.D.	0.612	2.42	mg/kg	2000
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.496	2.42	mg/kg	2000
01985	p,p-DDE	72-55-9	N.D.	0.962	4.96	mg/kg	2000
01986	p,p-DDD	72-54-8	N.D.	0.962	4.96	mg/kg	2000
01987	Chlordane	57-74-9	N.D.	11.7	49.6	mg/kg	2000
01988	Toxaphene	8001-35-2	N.D.	32.1	96.2	mg/kg	2000
01989	Endosulfan I	959-98-8	N.D.	0.496	2.42	mg/kg	2000
01990	Endosulfan II	33213-65-9	N.D.	0.962	4.96	mg/kg	2000
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.962	4.96	mg/kg	2000
01992	Endrin Aldehyde	7421-93-4	N.D.	0.962	4.96	mg/kg	2000

\*=This limit was used in the evaluation of the final result

AR102729

**Lancaster Laboratories Sample No. SW 4588973**
**05-MET-075 Grab Soil Sample**
**N(3.75-4.25)**
**Former Metro Container Investigation**

Collected: 08/22/2005 14:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--75

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	21.6	49.6	mg/kg	2000
01994	PCB-1221	11104-28-2	N.D.	9.62	49.6	mg/kg	2000
01995	PCB-1232	11141-16-5	N.D.	14.0	49.6	mg/kg	2000
01996	PCB-1242	53469-21-9	N.D.	8.75	49.6	mg/kg	2000
01997	PCB-1248	12672-29-6	744.	32.1	96.2	mg/kg	2000
01998	PCB-1254	11097-69-1	N.D.	9.62	49.6	mg/kg	2000
01999	PCB-1260	11096-82-5	N.D.	32.1	96.2	mg/kg	2000

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	7.3	24.	mg/kg	5
01185	Phenol	108-95-2	N.D.	2.4	12.	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	2.4	12.	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	2.4	12.	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	2.4	12.	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	2.4	12.	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	4.9	12.	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	2.4	12.	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	12.	36.	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	4.9	12.	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	12.	36.	mg/kg	5
01195	Pyrene	129-00-0	8.9 J	2.4	12.	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	7.5 J	2.4	12.	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	2.4	12.	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	7.3	12.	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	2.4	12.	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	2.4	12.	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	49.	150.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	12.	36.	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	4.9	12.	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	2.4	12.	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	2.4	12.	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	2.4	12.	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	2.4	12.	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	2.4	12.	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	2.4	12.	mg/kg	5
03759	Isophorone	78-59-1	N.D.	2.4	12.	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	2.4	12.	mg/kg	5
03761	Naphthalene	91-20-3	4.1 J	2.4	12.	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102730

Lancaster Laboratories Sample No. SW 4588973

05-MET-075 Grab Soil Sample

N(3.75-4.25)

Former Metro Container Investigation

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--75

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	4.9	12.	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	12.	36.	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	2.4	12.	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	2.4	12.	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	4.9	12.	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	2.4	12.	mg/kg	5
03768	Fluorene	86-73-7	2.6 J	2.4	12.	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	2.4	12.	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	4.9	12.	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	2.4	12.	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	14.	2.4	12.	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	2.4	12.	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	2.4	12.	mg/kg	5
03775	Phenanthrene	85-01-8	8.2 J	2.4	12.	mg/kg	5
03776	Anthracene	120-12-7	N.D.	2.4	12.	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	4.9	12.	mg/kg	5
03778	Fluoranthene	206-44-0	3.2 J	2.4	12.	mg/kg	5
03779	Benzidine	92-87-5	N.D.	49.	150.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	4.9	12.	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	2.7 J	2.4	12.	mg/kg	5
03782	Chrysene	218-01-9	4.6 J	2.4	12.	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	7.3	24.	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	99.	4.9	24.	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	4.9	12.	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	N.D.	2.4	12.	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	N.D.	2.4	12.	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	N.D.	2.4	12.	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	2.4	12.	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	2.4	12.	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	2.4	12.	mg/kg	5

The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile

\*=This limit was used in the evaluation of the final result

AR102731

Lancaster Laboratories Sample No. SW 4588973

05-MET-075 Grab Soil Sample

N(3.75-4.25)

Former Metro Container Investigation

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--75

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	compounds were raised.						
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.12	0.59	mg/kg	80.52
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.059	0.59	mg/kg	80.52
02020	t-Butyl alcohol	75-65-0	N.D.	2.3	12.	mg/kg	80.52
05444	Chloromethane	74-87-3	N.D.	0.23	0.59	mg/kg	80.52
05445	Vinyl Chloride	75-01-4	N.D.	0.12	0.59	mg/kg	80.52
05446	Bromomethane	74-83-9	N.D.	0.23	0.59	mg/kg	80.52
05447	Chloroethane	75-00-3	N.D.	0.23	0.59	mg/kg	80.52
05448	Trichlorofluoromethane	75-69-4	N.D.	0.23	0.59	mg/kg	80.52
05449	1,1-Dichloroethene	75-35-4	N.D.	0.12	0.59	mg/kg	80.52
05450	Methylene Chloride	75-09-2	N.D.	0.23	0.59	mg/kg	80.52
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.12	0.59	mg/kg	80.52
05452	1,1-Dichloroethane	75-34-3	N.D.	0.12	0.59	mg/kg	80.52
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.12	0.59	mg/kg	80.52
05455	Chloroform	67-66-3	N.D.	0.12	0.59	mg/kg	80.52
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.12	0.59	mg/kg	80.52
05458	Carbon Tetrachloride	56-23-5	N.D.	0.12	0.59	mg/kg	80.52
05460	Benzene	71-43-2	0.11 J	0.059	0.59	mg/kg	80.52
05461	1,2-Dichloroethane	107-06-2	N.D.	0.12	0.59	mg/kg	80.52
05462	Trichloroethene	79-01-6	N.D.	0.12	0.59	mg/kg	80.52
05463	1,2-Dichloropropane	78-87-5	N.D.	0.12	0.59	mg/kg	80.52
05465	Bromodichloromethane	75-27-4	N.D.	0.12	0.59	mg/kg	80.52
05466	Toluene	108-88-3	0.24 J	0.12	0.59	mg/kg	80.52
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.12	0.59	mg/kg	80.52
05468	Tetrachloroethene	127-18-4	N.D.	0.12	0.59	mg/kg	80.52
05470	Dibromochloromethane	124-48-1	N.D.	0.12	0.59	mg/kg	80.52
05472	Chlorobenzene	108-90-7	N.D.	0.12	0.59	mg/kg	80.52
05474	Ethylbenzene	100-41-4	1.1	0.12	0.59	mg/kg	80.52
05478	Bromoform	75-25-2	N.D.	0.12	0.59	mg/kg	80.52
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.12	0.59	mg/kg	80.52
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.12	0.59	mg/kg	80.52
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.12	0.59	mg/kg	80.52
06301	Xylene (Total)	1330-20-7	19.	0.12	0.59	mg/kg	80.52
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.23	1.2	mg/kg	80.52
07586	Acrolein	107-02-8	N.D.	2.3	12.	mg/kg	80.52

\*=This limit was used in the evaluation of the final result

AR102732

Lancaster Laboratories Sample No. SW 4588973

05-MET-075 Grab Soil Sample

N(3.75-4.25)

Former Metro Container Investigation

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--75

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.47	2.3	mg/kg	80.52

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

Surrogate recoveries were outside of QC limits for the GC/MS volatile fraction due to the dilution needed to perform the analysis.

The percent recoveries for chloroethane were outside QC limits high in the LCS/LCSD associated with this sample. Since the recoveries were high and this compound was not detected in the sample, no further action was taken.

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 11:11	[REDACTED]	40
06925	Thallium	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102733



Lancaster Laboratories Sample No. SW 4588973

05-MET-075 Grab Soil Sample

N(3.75-4.25)

Former Metro Container Investigation

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:34

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S--75

06953	Copper	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 06:53	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:10	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:53	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/31/2005 11:02	[REDACTED]	2000
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 04:47	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 11:27	[REDACTED]	80.52
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 11:27	[REDACTED]	80.52
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/26/2005 00:25	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:27	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/23/2005 12:13	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/23/2005 12:13	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4588973  
 Sample wt/vol: 6.21 (g/mL) g      Lab File ID: HP07536.i/05aug31a.b/qg31s02.d  
 Level: (low/med) MED      Date Received: 08/22/05  
 % Moisture: not dec. 31      Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP      Dilution Factor: 80.5  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	12.49	3.7	J
2.	Unknown aromatic	12.93	0.65	J
3.	Unknown	14.09	2.1	J
4.	Unknown	14.17	4.1	J
5.	Unknown	14.53	21	J
6.	Unknown aromatic	15.69	0.84	J
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
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22.				
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24.				
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26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102735

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588973  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0855.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 31 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1,3,8-p-Menthatriene	4.407	92	JX
2.	Unknown	5.299	76	J
3.	Unknown	5.465	210	J
4.	Unknown	5.883	92	J
5.	1,1'-Biphenyl, 2,2',6-trichl	8.195	120	JX
6.	Unknown Alkane	8.453	120	J
7.	1,1'-Biphenyl, 2,2',5,5'-tet	8.773	96	JX
8.	Unknown	8.927	74	J
9.	Unknown	9.345	110	J
10.	Unknown	9.486	120	J
11.	Unknown	9.535	93	J
12.	Unknown	9.689	96	J
13.	Unknown Alkane	9.812	110	J
14.	Unknown	9.880	100	J
15.	Unknown	9.947	72	J
16.	Unknown	10.015	85	J
17.	Unknown	10.101	100	J
18.	Unknown	10.193	78	J
19.	Unknown	10.482	90	J
20.	Unknown Alkane	10.796	77	J
21.	Unknown	10.863	73	J
22.	Unknown	10.974	87	J
23.	Unknown Alkane	11.238	140	J
24.	Unknown	11.454	150	J
25.	Unknown	12.474	150	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102736

Lancaster Laboratories Sample No. SW 4588974

05-MET-075V Grab Soil Sample

N(12.5-13)

Former Metro Container Investigation

Collected: 08/22/2005 14:10

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:35

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-75V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0162 J	0.0032	0.120	mg/kg	1
06925	Thallium	7440-28-0	2.01 J	1.13	2.36	mg/kg	1
06935	Arsenic	7440-38-2	2.65	0.789	2.36	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.13	2.36	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.966	2.36	mg/kg	1
06947	Beryllium	7440-41-7	0.913	0.0507	0.589	mg/kg	1
06949	Cadmium	7440-43-9	0.198 J	0.101	0.589	mg/kg	1
06951	Chromium	7440-47-3	33.0	0.624	1.77	mg/kg	1
06953	Copper	7440-50-8	12.1	0.353	1.18	mg/kg	1
06955	Lead	7439-92-1	8.95	0.919	2.36	mg/kg	1
06961	Nickel	7440-02-0	15.5	0.389	1.18	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.224	0.589	mg/kg	1
06972	Zinc	7440-66-6	35.1	0.542	2.36	mg/kg	1
00111	Moisture	n.a.	17.6	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.59	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000206	0.00101	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000206	0.00101	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000206	0.00101	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000400	0.00206	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000400	0.00206	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000400	0.00206	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00206	0.0101	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000206	0.00101	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000206	0.00101	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000255	0.00101	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000206	0.00101	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000400	0.00206	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000400	0.00206	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00485	0.0206	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0133	0.0400	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000206	0.00101	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000400	0.00206	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000400	0.00206	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000400	0.00206	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102737

**Lancaster Laboratories Sample No. SW 4588974**
**05-MET-075V Grab Soil Sample**
**N(12.5-13)**
**Former Metro Container Investigation**

Collected: 08/22/2005 14:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:35

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-75V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00898	0.0206	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00400	0.0206	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00583	0.0206	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00364	0.0206	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0133	0.0400	mg/kg	1
01998	PCB-1254	11097-69-1	0.00681 J	0.00400	0.0206	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0133	0.0400	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.40	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.040	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.040	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.040	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.040	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.040	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.081	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.040	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.61	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.081	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.61	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.040	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.040	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.040	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.040	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.040	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.81	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.61	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.081	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.040	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.040	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.040	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.040	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.040	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.040	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.040	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.040	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.040	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.081	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.61	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102738

**Lancaster Laboratories Sample No. SW 4588974**
**05-MET-075V Grab Soil Sample**
**N(12.5-13)**
**Former Metro Container Investigation**

Collected: 08/22/2005 14:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:35

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-75V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.040	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.040	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.081	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.040	0.20	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.040	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.040	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.081	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.040	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.040	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.040	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.040	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.040	0.20	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.040	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.081	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.040	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.81	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.081	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.040	0.20	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.040	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.40	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.081	0.40	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.081	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.040	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.040	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.040	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.040	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.040	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.040	0.20	mg/kg	1
The recovery of phenol was above QC limits in the LCS. Since phenol was not detected in the sample, no further action was taken.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.85
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.85

\*=This limit was used in the evaluation of the final result

AR102739

Lancaster Laboratories Sample No. SW 4588974

05-MET-075V Grab Soil Sample

N(12.5-13)

Former Metro Container Investigation

Collected: 08/22/2005 14:10

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:35

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-75V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	0.10	mg/kg	0.85
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.85
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.85
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.85
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.85
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.85
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.85
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.005	mg/kg	0.85
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.85
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	0.85
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.85
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.85
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.85
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.85
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	0.85
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.85
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.85
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.85
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.85
05466	Toluene	108-88-3	N.D.	0.001	0.005	mg/kg	0.85
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.85
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.85
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.85
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.85
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.005	mg/kg	0.85
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.85
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.85
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.85
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.85
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	mg/kg	0.85
07586	Acrolein	107-02-8	N.D.	0.021	0.10	mg/kg	0.85
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.021	mg/kg	0.85

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR102740

Lancaster Laboratories Sample No. SW 4588974

05-MET-075V Grab Soil Sample

N(12.5-13)

Former Metro Container Investigation

Collected: 08/22/2005 14:10

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:35

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-75V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/24/2005 10:57	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/24/2005 06:58	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/23/2005 11:28	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:11	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/29/2005 11:56	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/31/2005 11:23	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 05:09	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/30/2005 17:04	[REDACTED]	0.85
07584	PPL Volatiles	SW-846 8260B	1	08/30/2005 17:04	[REDACTED]	0.85
00381	BNA Soil Extraction	SW-846 3550B	1	08/23/2005 13:40	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/23/2005 20:30	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/23/2005 21:45	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/26/2005 00:25	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/24/2005 01:05	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102741



**Lancaster Laboratories Sample No. SW 4588974****05-MET-075V Grab Soil Sample****N(12.5-13)****Former Metro Container Investigation**

Collected: 08/22/2005 14:10

by

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 16:35

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-75V

06171 GC/MS - Field Preserved SW-846 5035

1 08/23/2005 10:28

1

MeOH

08389 GC/MS - LL Encore Prep SW-846 5035

1 08/23/2005 12:14

n.a.

08389 GC/MS - LL Encore Prep SW-846 5035

2 08/23/2005 12:14

n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4588974	SDG No.: _____
Sample wt/vol: 5.89 (g/mL) g	Lab File ID: HP09193.i/05aug30a.b/xg30s01.d	
Level: (low/med) LOW	Date Received: 08/22/05	
% Moisture: not dec. 18	Date Analyzed: 08/30/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102743

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4588974  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0856.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.095	.38	J
2.141-79-7	!3-Penten-2-one, 4-methyl-	2.796	.18	JA
3.123-42-2	!2-Pentanone, 4-hydroxy-4-met	3.159	.15	JAB
4.85-44-9	!Phthalic anhydride	6.172	4.2	J
5.	!Unknown	9.160	.43	J
6.	!Unknown	9.480	.46	J
7.	!Unknown	9.769	.27	J
8.	!Unknown Alkane	10.359	1.2	J
9.	!Unknown Alkane	10.648	.24	J
10.	!Unknown	10.802	.38	J
11.	!Unknown Alkane	10.925	.96	J
12.	!Unknown	11.091	.19	J
13.	!Unknown	11.128	.46	J
14.	!Unknown	11.189	.20	J
15.	!Unknown Alkane	11.208	.39	J
16.	!Unknown	11.355	.26	J
17.	!Unknown Alkane	11.515	.29	J
18.	!Unknown	11.546	.28	J
19.	!Unknown Alkane	11.859	.28	J
20.	!Unknown Alkane	12.259	.25	J
21.	!Unknown	12.388	.22	J
22.	!Unknown	12.788	.20	J
23.	!Unknown	13.163	.30	J
24.	!Unknown	13.206	.18	J
25.	!Unknown	13.304	.26	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102744

**Lancaster Laboratories Sample No. G5 4588975**
**TB082205S Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation**

Collected: 08/22/2005

Account Number: 11549

Submitted: 08/22/2005 18:07  
Reported: 09/07/2005 at 16:36  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB822

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	mg/kg	50
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	50
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.0	mg/kg	50
05444	Chloromethane	74-87-3	N.D.	0.10	0.25	mg/kg	50
05445	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	mg/kg	50
05446	Bromomethane	74-83-9	N.D.	0.10	0.25	mg/kg	50
05447	Chloroethane	75-00-3	N.D.	0.10	0.25	mg/kg	50
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	mg/kg	50
05449	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	mg/kg	50
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.25	mg/kg	50
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	mg/kg	50
05452	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	mg/kg	50
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	mg/kg	50
05455	Chloroform	67-66-3	N.D.	0.050	0.25	mg/kg	50
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	mg/kg	50
05458	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	mg/kg	50
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	mg/kg	50
05462	Trichloroethene	79-01-6	N.D.	0.050	0.25	mg/kg	50
05463	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	mg/kg	50
05465	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	mg/kg	50
05466	Toluene	108-88-3	N.D.	0.050	0.25	mg/kg	50
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	mg/kg	50
05468	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	mg/kg	50
05470	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	mg/kg	50
05472	Chlorobenzene	108-90-7	N.D.	0.050	0.25	mg/kg	50
05474	Ethylbenzene	100-41-4	N.D.	0.050	0.25	mg/kg	50
05478	Bromoform	75-25-2	N.D.	0.050	0.25	mg/kg	50
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	mg/kg	50
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	mg/kg	50
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	mg/kg	50
06301	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	mg/kg	50
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.50	mg/kg	50
07586	Acrolein	107-02-8	N.D.	1.0	5.0	mg/kg	50

\*=This limit was used in the evaluation of the final result

AR102745

Lancaster Laboratories Sample No. G5 4588975

TB082205S Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation

Collected: 08/22/2005

Account Number: 11549

Submitted: 08/22/2005 18:07  
Reported: 09/07/2005 at 16:36  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TB822

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	50
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 19:44		50
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 19:44		50
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/23/2005 10:17		1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4588975	SDG No.: _____
Sample wt/vol: 5.0 (g/mL) g	Lab File ID: HP07536.i/05aug25b.b/qg25s20.d	
Level: (low/med) MED	Date Received: 08/22/05	
% Moisture: not dec.	Date Analyzed: 08/25/05	
Column: (pack/cap) CAP	Dilution Factor: 50.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102747

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052350006A	Sample number(s): 4588960-4588974								
Gamma BHC - Lindane	N.D.	0.170	0.830	ug/kg	91		74-133		
Heptachlor	N.D.	0.170	0.830	ug/kg	87		72-143		
Aldrin	N.D.	0.170	0.830	ug/kg	90		74-137		
p,p-DDT	N.D.	0.330	1.70	ug/kg	92		67-152		
Dieldrin	N.D.	0.330	1.70	ug/kg	94		71-133		
Endrin	N.D.	0.330	1.70	ug/kg	98		68-133		
Methoxychlor	N.D.	1.70	8.30	ug/kg	94		56-168		
Alpha BHC	N.D.	0.170	0.830	ug/kg	92		70-134		
Beta BHC	N.D.	0.170	0.830	ug/kg	87		68-137		
Delta BHC	N.D.	0.210	0.830	ug/kg	86		53-167		
Heptachlor Epoxide	N.D.	0.170	0.830	ug/kg	86		72-132		
p,p-DDE	N.D.	0.330	1.70	ug/kg	93		71-143		
p,p-DDD	N.D.	0.330	1.70	ug/kg	97		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.0	33.0	ug/kg					
Endosulfan I	N.D.	0.170	0.830	ug/kg	94		71-130		
Endosulfan II	N.D.	0.330	1.70	ug/kg	91		73-134		
Endosulfan Sulfate	N.D.	0.330	1.70	ug/kg	95		58-133		
Endrin Aldehyde	N.D.	0.330	1.70	ug/kg	84		47-145		
PCB-1016	N.D.	7.40	17.0	ug/kg					
PCB-1221	N.D.	3.30	17.0	ug/kg					
PCB-1232	N.D.	4.80	17.0	ug/kg					
PCB-1242	N.D.	3.00	17.0	ug/kg					
PCB-1248	N.D.	11.0	33.0	ug/kg					
PCB-1254	N.D.	3.30	17.0	ug/kg					
PCB-1260	N.D.	11.0	33.0	ug/kg					
Batch number: 052355708004	Sample number(s): 4588960-4588974								
Thallium	N.D.	0.960	2.00	mg/kg	109		76-125		
Arsenic	N.D.	0.670	2.00	mg/kg	99		80-120		
Selenium	N.D.	0.960	2.00	mg/kg	105		74-126		
Antimony	N.D.	0.820	2.00	mg/kg	65		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	105		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	101		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	103		78-121		
Copper	N.D.	0.300	1.00	mg/kg	103		80-120		
Lead	N.D.	0.780	2.00	mg/kg	100		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	102		78-122		
Silver	N.D.	0.190	0.500	mg/kg	116		49-150		
Zinc	N.D.	0.460	2.00	mg/kg	97		46-154		
Batch number: 052355711002	Sample number(s): 4588960-4588974								
Mercury	N.D.	0.0027	0.100	mg/kg	91		66-133		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 05235820001A	Sample number(s): 4588960-4588969				100		99-101		
Moisture									
Batch number: 05235820001B	Sample number(s): 4588970-4588974				100		99-101		
Moisture									
Batch number: 05235SLA026	Sample number(s): 4588960-4588974								
1,4-Dioxane	N.D.	100.	500.	ug/kg	23		14-81		
Phenol	N.D.	33.	170.	ug/kg	110*		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	103		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	72		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	99		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	81		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	112		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	94		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	100		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	106		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	89		47-110		
Pyrene	N.D.	33.	170.	ug/kg	103		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	101		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	101		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	102		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	105		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	97		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	84		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	86		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	79		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	85		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	68		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	73		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	110		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	67		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	88		68-105		
Isophorone	N.D.	33.	170.	ug/kg	90		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	101		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	89		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	77		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	88		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	74		60-101		
Acenaphthylene	N.D.	33.	170.	ug/kg	111		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	96		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	98		75-108		
Fluorene	N.D.	33.	170.	ug/kg	94		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	93		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	99		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	92		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	99		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	93		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	93		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	98		70-107		
Anthracene	N.D.	33.	170.	ug/kg	96		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	100		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	91		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	63		25-99		

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	102		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	94		73-111		
Chrysene	N.D.	33.	170.	ug/kg	96		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	61		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	99		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	107		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	103		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	100		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	105		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	99		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	105		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	100		66-120		
Batch number: 05236102201B	Sample number(s): 4588960-4588963								
Total Cyanide	N.D.	0.18	0.50	mg/kg	99		90-110		
Batch number: 05237102201A	Sample number(s): 4588964-4588969								
Total Cyanide	N.D.	0.18	0.50	mg/kg	98		90-110		
Batch number: 05237102201B	Sample number(s): 4588970-4588974								
Total Cyanide	N.D.	0.18	0.50	mg/kg	98		90-110		
Batch number: 05237113201B	Sample number(s): 4588960-4588963								
Phenols	N.D.	1.2	3.5	mg/kg	100		80-120		
Batch number: 05238113201A	Sample number(s): 4588964-4588973								
Phenols	N.D.	1.2	3.5	mg/kg	92		80-120		
Batch number: 05238113201B	Sample number(s): 4588974								
Phenols	N.D.	1.2	3.5	mg/kg	92		80-120		
Batch number: Q052363AB	Sample number(s): 4588969,4588975								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	107	110	75-125	3	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	102	100	51-160	2	30
Chloromethane	N.D.	100.	250.	ug/kg	88	101	62-132	14	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	86	95	66-124	10	30
Bromomethane	N.D.	100.	250.	ug/kg	101	100	59-127	0	30
Chloroethane	N.D.	100.	200.	ug/kg	105	120	63-120	14	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	94	98	65-138	4	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	94	99	69-133	5	30
Methylene Chloride	N.D.	100.	250.	ug/kg	102	107	75-120	4	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	92	100	77-124	8	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	104	107	79-124	3	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	98	106	76-120	8	30
Chloroform	N.D.	50.	250.	ug/kg	104	109	81-117	5	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	98	104	74-127	6	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	96	101	69-130	6	30
Benzene	N.D.	25.	250.	ug/kg	99	105	77-119	6	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	108	112	76-126	4	30
Trichloroethene	N.D.	50.	250.	ug/kg	99	105	81-114	6	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	104	106	78-119	2	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	109	108	77-116	0	30
Toluene	N.D.	50.	250.	ug/kg	96	101	81-116	4	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	99	102	74-117	3	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	88	94	73-127	7	30

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Dibromochloromethane	N.D.	50.	250.	ug/kg	107	111	73-116	4	30
Chlorobenzene	N.D.	50.	250.	ug/kg	97	101	81-112	4	30
Ethylbenzene	N.D.	50.	250.	ug/kg	97	102	82-115	5	30
Bromoform	N.D.	50.	250.	ug/kg	99	102	64-125	2	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	99	104	64-121	4	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	103	105	77-114	2	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	100	101	72-119	1	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	106	111	72-117	4	30
Xylene (Total)	N.D.	50.	250.	ug/kg	97	102	82-117	5	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	107	106	9-208	0	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	107	104	33-143	3	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	104	106	56-129	2	30
Batch number: Q052431AA Sample number(s): 4588960,4588973									
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	108	103	75-125	5	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	97	96	51-160	1	30
Chloromethane	N.D.	100.	250.	ug/kg	113	114	62-132	1	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	105	104	66-124	1	30
Bromomethane	N.D.	100.	250.	ug/kg	100	98	59-127	1	30
Chloroethane	N.D.	100.	250.	ug/kg	147*	140*	63-120	5	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	118	114	65-138	3	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	108	106	69-133	2	30
Methylene Chloride	N.D.	100.	250.	ug/kg	107	106	75-120	1	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	104	104	77-124	0	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	110	107	79-124	3	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	107	103	76-120	4	30
Chloroform	N.D.	50.	250.	ug/kg	109	105	81-117	5	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	113	108	74-127	5	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	111	104	69-130	6	30
Benzene	N.D.	25.	250.	ug/kg	108	105	77-119	3	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	113	107	76-126	5	30
Trichloroethene	N.D.	50.	250.	ug/kg	107	105	81-114	2	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	107	105	78-119	1	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	115	113	77-116	2	30
Toluene	N.D.	50.	250.	ug/kg	109	101	81-116	7	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	107	101	74-117	6	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	101	96	73-127	5	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	111	106	73-116	4	30
Chlorobenzene	N.D.	50.	250.	ug/kg	104	99	81-112	5	30
Ethylbenzene	N.D.	50.	250.	ug/kg	107	101	82-115	6	30
Bromoform	N.D.	50.	250.	ug/kg	102	98	64-125	4	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	108	100	64-121	8	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	107	103	77-114	3	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	107	105	72-119	2	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	108	105	72-117	2	30
Xylene (Total)	N.D.	50.	250.	ug/kg	107	101	82-117	5	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	102	98	9-208	4	30
Acrolein	N.D.	1,000.	5,000.	ug/kg	97	96	33-143	1	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	106	102	56-129	3	30
Batch number: X052401AB Sample number(s): 4588972									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	93	92	75-125	1	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	134	128	51-160	4	30
Chloromethane	N.D.	2.	5.	ug/kg	93	89	62-132	5	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	90	85	66-124	6	30

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromomethane	N.D.	2.	5.	ug/kg	91	90	59-127	1	30
Chloroethane	N.D.	2.	4.	ug/kg	88	83	63-120	5	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	95	88	65-138	8	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	90	86	69-133	5	30
Methylene Chloride	2. J	2.	5.	ug/kg	90	87	75-120	4	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	93	91	77-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	96	92	79-124	4	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	99	93	76-120	7	30
Chloroform	N.D.	1.	5.	ug/kg	100	96	81-117	5	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	102	95	74-127	8	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	102	97	69-130	6	30
Benzene	N.D.	0.5	5.	ug/kg	99	94	77-119	5	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	102	100	76-126	2	30
Trichloroethene	N.D.	1.	5.	ug/kg	97	95	81-114	2	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	98	93	78-119	5	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	103	97	77-116	5	30
Toluene	N.D.	1.	5.	ug/kg	103	98	81-116	5	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	97	94	74-117	3	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	102	96	73-127	7	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	102	97	73-116	5	30
Chlorobenzene	N.D.	1.	5.	ug/kg	100	96	81-112	5	30
Ethylbenzene	N.D.	1.	5.	ug/kg	100	95	82-115	5	30
Bromoform	N.D.	1.	5.	ug/kg	96	97	64-125	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	91	93	64-121	2	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	97	96	77-114	1	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	103	102	72-119	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	96	91	72-117	5	30
Xylene (Total)	N.D.	1.	5.	ug/kg	102	97	82-117	6	30
Acrolein	N.D.	1.	40.	ug/kg	67	68	33-143	1	30
Acrylonitrile	N.D.	4.	20.	ug/kg	84	90	56-129	7	30

Batch number: X052421AA

Sample number(s): 4588961-4588966, 4588974

Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	85	89	75-125	4	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	114	116	51-160	2	30
Chloromethane	N.D.	2.	5.	ug/kg	98	103	62-132	5	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	96	99	66-124	3	30
Bromomethane	N.D.	2.	5.	ug/kg	96	98	59-127	3	30
Chloroethane	N.D.	2.	5.	ug/kg	93	97	63-120	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	96	92	65-138	4	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	85	86	69-133	2	30
Methylene Chloride	N.D.	2.	5.	ug/kg	85	90	75-120	5	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	87	89	77-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	89	93	79-124	4	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	89	93	76-120	4	30
Chloroform	N.D.	1.	5.	ug/kg	91	93	81-117	1	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	89	94	74-127	5	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	87	90	69-130	3	30
Benzene	N.D.	0.5	5.	ug/kg	90	92	77-119	2	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	91	95	76-126	4	30
Trichloroethene	N.D.	1.	5.	ug/kg	89	92	81-114	3	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	91	94	78-119	3	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	92	94	77-116	2	30
Toluene	N.D.	1.	5.	ug/kg	94	96	81-116	2	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	95	97	74-117	3	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	92	94	73-127	2	30

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Dibromochloromethane	N.D.	1.	5.	ug/kg	93	98	73-116	5	30
Chlorobenzene	N.D.	1.	5.	ug/kg	96	98	81-112	2	30
Ethylbenzene	N.D.	1.	5.	ug/kg	95	97	82-115	2	30
Bromoform	N.D.	1.	5.	ug/kg	90	95	64-125	5	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	92	104	64-121	13	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	93	99	77-114	6	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	100	102	72-119	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	90	90	72-117	0	30
Xylene (Total)	N.D.	1.	5.	ug/kg	94	96	82-117	2	30
Acrolein	N.D.	20.	100.	ug/kg	78	86	33-143	9	30
Acrylonitrile	N.D.	4.	20.	ug/kg	84	92	56-129	9	30

Batch number: X052421AB	Sample number(s): 4588967-4588968, 4588970-4588971								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	85	89	75-125	4	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	114	116	51-160	2	30
Chloromethane	N.D.	2.	5.	ug/kg	98	103	62-132	5	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	96	99	66-124	3	30
Bromomethane	N.D.	2.	5.	ug/kg	96	98	59-127	3	30
Chloroethane	N.D.	2.	5.	ug/kg	93	97	63-120	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	96	92	65-138	4	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	85	86	69-133	2	30
Methylene Chloride	N.D.	2.	5.	ug/kg	85	90	75-120	5	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	87	89	77-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	89	93	79-124	4	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	89	93	76-120	4	30
Chloroform	N.D.	1.	5.	ug/kg	91	93	81-117	1	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	89	94	74-127	5	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	87	90	69-130	3	30
Benzene	N.D.	0.5	5.	ug/kg	90	92	77-119	2	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	91	95	76-126	4	30
Trichloroethene	N.D.	1.	5.	ug/kg	89	92	81-114	3	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	91	94	78-119	3	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	92	94	77-116	2	30
Toluene	N.D.	1.	5.	ug/kg	94	96	81-116	2	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	95	97	74-117	3	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	92	94	73-127	2	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	93	98	73-116	5	30
Chlorobenzene	N.D.	1.	5.	ug/kg	96	98	81-112	2	30
Ethylbenzene	N.D.	1.	5.	ug/kg	95	97	82-115	2	30
Bromoform	N.D.	1.	5.	ug/kg	90	95	64-125	5	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	92	104	64-121	13	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	93	99	77-114	6	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	100	102	72-119	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	90	90	72-117	0	30
Xylene (Total)	N.D.	1.	5.	ug/kg	94	96	82-117	2	30
Acrolein	N.D.	20.	100.	ug/kg	78	86	33-143	9	30
Acrylonitrile	N.D.	4.	20.	ug/kg	84	92	56-129	9	30

### Sample Matrix Quality Control

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
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\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza

Group Number: 956370

Reported: 09/07/05 at 04:36 PM

<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>
Batch number: 052350006A	Sample number(s): 4588960-4588974								
Gamma BHC - Lindane	0*	0*	43-154	0	35				
Heptachlor	0*	0*	70-138	0	35				
Aldrin	0*	0*	58-159	0	35				
p,p-DDT	(2)	(2)	62-166	22	35				
Dieldrin	0*	0*	68-139	0	35				
Endrin	0*	0*	48-188	0	35				
Methoxychlor	0*	0*	74-162	0	35				
Alpha BHC	0*	0*	64-134	0	35				
Beta BHC	0*	0*	31-176	0	35				
Delta BHC	0*	0*	68-158	0	35				
Heptachlor Epoxide	0*	0*	69-133	0	35				
p,p-DDE	0*	0*	48-175	0	35				
p,p-DDD	0*	0*	52-181	0	35				
Endosulfan I	0*	0*	41-166	0	35				
Endosulfan II	0*	0*	65-144	0	35				
Endosulfan Sulfate	0*	0*	65-154	0	35				
Endrin Aldehyde	0*	0*	63-125	0	35				
Batch number: 052355708004	Sample number(s): 4588960-4588974								
Thallium	94	95	86-106	1	20	2.52	2.27	10 (1)	20
Arsenic	98	98	75-112	0	20	1.36 J	1.44 J	6 (1)	20
Selenium	97	98	81-112	1	20	N.D.	N.D.	211* (1)	20
Antimony	64*	69*	75-125	8	20	1.78 J	1.34 J	29* (1)	20
Beryllium	103	102	89-114	1	20	0.743	0.737	1 (1)	20
Cadmium	97	98	75-125	1	20	0.201 J	0.203 J	1 (1)	20
Chromium	100	95	75-125	2	20	35.8	34.3	4	20
Copper	124	100	75-125	7	20	50.7	50.3	1	20
Lead	96	92	75-125	3	20	15.7	15.3	2	20
Nickel	93	92	75-125	1	20	21.8	20.7	5	20
Silver	103	104	82-116	1	20	N.D.	N.D.	2590* (1)	20
Zinc	90	88	75-125	1	20	71.9	71.3	1	20
Batch number: 052355711002	Sample number(s): 4588960-4588974								
Mercury	102	97	80-120	4	20	0.0602 J	0.0520 J	14 (1)	20
Batch number: 05235820001A	Sample number(s): 4588960-4588969								
Moisture						33.6	33.9	1	15
Batch number: 05235820001B	Sample number(s): 4588970-4588974								
Moisture						26.8	27.6	3	15
Batch number: 05235SLA026	Sample number(s): 4588960-4588974								
1,4-Dioxane	41	34	6-84	19	30				
Phenol	95	87	48-128	9	30				
2-Chlorophenol	88	83	36-140	6	30				
1,4-Dichlorobenzene	78	70	46-115	11	30				
N-Nitroso-di-n-propylamine	87	86	42-132	1	30				
1,2,4-Trichlorobenzene	86	77	62-114	11	30				
4-Chloro-3-methylphenol	93	87	42-147	7	30				
Acenaphthene	98	93	47-137	5	30				
4-Nitrophenol	73	70	30-151	3	30				
2,4-Dinitrotoluene	87	83	66-126	5	30				
Pentachlorophenol	79	75	22-126	6	30				
Pyrene	89	174*	25-159	38*	30				
1-Methylnaphthalene	96	89	60-128	8	30				
2-Nitrophenol	84	81	53-140	3	30				
2,4-Dimethylphenol	67	63	44-131	6	30				

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Analysis Name								Max
2,4-Dichlorophenol	90	84	60-123	7	30			
2,4,6-Trichlorophenol	91	87	51-128	5	30			
2,4-Dinitrophenol	0*	0*	20-152	0	30			
4,6-Dinitro-2-methylphenol	46	45	14-136	2	30			
N-Nitrosodimethylamine	77	73	56-110	6	30			
bis(2-Chloroethyl)ether	82	76	60-110	8	30			
1,3-Dichlorobenzene	76	66	52-112	14	30			
1,2-Dichlorobenzene	74	71	56-108	5	30			
bis(2-Chloroisopropyl)ether	109	99	38-157	10	30			
Hexachloroethane	65	59	30-130	11	30			
Nitrobenzene	88	83	65-113	6	30			
Isophorone	87	79	55-116	10	30			
bis(2-Chloroethoxy)methane	99	91	63-128	8	30			
Naphthalene	89	82	54-121	8	30			
Hexachlorobutadiene	85	78	43-132	8	30			
Hexachlorocyclopentadiene	42	34	5-175	22	30			
2-Chloronaphthalene	71	66	51-100	7	30			
Acenaphthylene	101	102	66-137	1	30			
Dimethylphthalate	96	88	70-112	9	30			
2,6-Dinitrotoluene	87	83	66-116	4	30			
Fluorene	87	87	48-130	0	30			
4-Chlorophenyl-phenylether	98	93	50-128	6	30			
Diethylphthalate	98	91	71-112	7	30			
1,2-Diphenylhydrazine	83	73	26-141	14	30			
N-Nitrosodiphenylamine	102	93	59-133	10	30			
4-Bromophenyl-phenylether	102	91	69-119	11	30			
Hexachlorobenzene	97	85	59-130	13	30			
Phenanthrene	94	167*	28-155	36*	30			
Anthracene	77	83	47-135	6	30			
Di-n-butylphthalate	99	89	67-119	11	30			
Fluoranthene	92	202*	32-137	45*	30			
Benzidine	0*	0*	20-173	0	30			
Butylbenzylphthalate	99	91	55-131	9	30			
Benzo(a)anthracene	110	153*	39-144	33*	30			
Chrysene	59	103	38-144	35*	30			
3,3'-Dichlorobenzidine	28	26	10-133	7	30			
bis(2-Ethylhexyl)phthalate	103	91	54-141	13	30			
Di-n-octylphthalate	107	97	47-144	10	30			
Benzo(b)fluoranthene	68	109	24-155	34*	30			
Benzo(k)fluoranthene	46	71	2-176	35*	30			
Benzo(a)pyrene	46	77	38-142	39*	30			
Indeno(1,2,3-cd)pyrene	24	43	1-186	45*	30			
Dibenz(a,h)anthracene	34*	42*	44-154	22	30			
Benzo(g,h,i)perylene	23*	39	32-150	42*	30			
Batch number: 05236102201B	Sample number(s): 4588960-4588963							
Total Cyanide	104		52-135		N.D.	N.D.	9 (1)	17
Batch number: 05237102201A	Sample number(s): 4588964-4588969							
Total Cyanide	96		52-135		0.46 J	0.49	7 (1)	17
Batch number: 05237102201B	Sample number(s): 4588970-4588974							
Total Cyanide	99		52-135		N.D.	N.D.	200* (1)	17

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Batch number: 05237113201B	Sample number(s): 4588960-4588963							
Phenols	96	95	38-175	1	26			
Batch number: 05238113201A	Sample number(s): 4588964-4588973							
Phenols	114	113	38-175	1	26			
Batch number: 05238113201B	Sample number(s): 4588974							
Phenols	99	93	38-175	7	26			
Batch number: X052401AB	Sample number(s): 4588972							
Methyl Tertiary Butyl Ether	96		49-140					
t-Butyl alcohol	197*		46-148					
Chloromethane	96		60-132					
Vinyl Chloride	97		60-126					
Bromomethane	95		52-121					
Chloroethane	94		60-122					
Trichlorofluoromethane	107		53-142					
1,1-Dichloroethene	97		62-133					
Methylene Chloride	104		59-135					
trans-1,2-Dichloroethene	97		64-125					
1,1-Dichloroethane	96		65-125					
cis-1,2-Dichloroethene	100		63-125					
Chloroform	102		65-126					
1,1,1-Trichloroethane	104		59-134					
Carbon Tetrachloride	106		53-138					
Benzene	96		67-123					
1,2-Dichloroethane	102		62-130					
Trichloroethene	94		62-126					
1,2-Dichloropropane	95		64-120					
Bromodichloromethane	99		65-118					
Toluene	98		55-125					
1,1,2-Trichloroethane	94		62-122					
Tetrachloroethene	92		45-151					
Dibromochloromethane	97		62-120					
Chlorobenzene	85		62-116					
Ethylbenzene	84		50-127					
Bromoform	93		52-123					
1,1,2,2-Tetrachloroethane	88		37-142					
1,2-Dibromoethane	92		62-116					
trans-1,3-Dichloropropene	95		61-121					
cis-1,3-Dichloropropene	89		54-122					
Xylene (Total)	85		54-123					
Acrolein	54		12-136					
Acrylonitrile	83		47-125					
Batch number: X052421AA	Sample number(s): 4588961-4588966, 4588974							
Methyl Tertiary Butyl Ether	66		49-140					
t-Butyl alcohol	62		46-148					
Chloromethane	82		60-132					
Vinyl Chloride	83		60-126					
Bromomethane	74		52-121					
Chloroethane	78		60-122					
Trichlorofluoromethane	83		53-142					
1,1-Dichloroethene	77		62-133					

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Analysis Name								Max
Methylene Chloride	68		59-135					
trans-1,2-Dichloroethene	78		64-125					
1,1-Dichloroethane	76		65-125					
cis-1,2-Dichloroethene	76		63-125					
Chloroform	75		65-126					
1,1,1-Trichloroethane	78		59-134					
Carbon Tetrachloride	81		53-138					
Benzene	77		67-123					
1,2-Dichloroethane	72		62-130					
Trichloroethene	78		62-126					
1,2-Dichloropropane	73		64-120					
Bromodichloromethane	74		65-118					
Toluene	78		55-125					
1,1,2-Trichloroethane	71		62-122					
Tetrachloroethene	80		45-151					
Dibromochloromethane	71		62-120					
Chlorobenzene	78		62-116					
Ethylbenzene	79		50-127					
Bromoform	68		52-123					
1,1,2,2-Tetrachloroethane	70		37-142					
1,2-Dibromoethane	71		62-116					
trans-1,3-Dichloropropene	76		61-121					
cis-1,3-Dichloropropene	70		54-122					
Xylene (Total)	77		54-123					
Acrolein	57		12-136					
Acrylonitrile	65		47-125					
Batch number: X052421AB	Sample number(s): 4588967-4588968,4588970-4588971							
Methyl Tertiary Butyl Ether	66		49-140					
t-Butyl alcohol	62		46-148					
Chloromethane	82		60-132					
Vinyl Chloride	83		60-126					
Bromomethane	74		52-121					
Chloroethane	78		60-122					
Trichlorofluoromethane	83		53-142					
1,1-Dichloroethene	77		62-133					
Methylene Chloride	68		59-135					
trans-1,2-Dichloroethene	78		64-125					
1,1-Dichloroethane	76		65-125					
cis-1,2-Dichloroethene	76		63-125					
Chloroform	75		65-126					
1,1,1-Trichloroethane	78		59-134					
Carbon Tetrachloride	81		53-138					
Benzene	77		67-123					
1,2-Dichloroethane	72		62-130					
Trichloroethene	78		62-126					
1,2-Dichloropropane	73		64-120					
Bromodichloromethane	74		65-118					
Toluene	78		55-125					
1,1,2-Trichloroethane	71		62-122					
Tetrachloroethene	80		45-151					
Dibromochloromethane	71		62-120					
Chlorobenzene	78		62-116					
Ethylbenzene	79		50-127					

\*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	RPD	RPD
Analysis Name								Max
Bromoform	68		52-123					
1,1,2,2-Tetrachloroethane	70		37-142					
1,2-Dibromoethane	71		62-116					
trans-1,3-Dichloropropene	76		61-121					
cis-1,3-Dichloropropene	70		54-122					
Xylene (Total)	77		54-123					
Acrolein	57		12-136					
Acrylonitrile	65		47-125					

### Surrogate Quality Control

Analysis Name: Pesticides/PCBs in Solids  
Batch number: 052350006A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4588960	0*	780*
4588961	108	973*
4588962	59	153
4588963	109	465*
4588964	103	186*
4588965	96	174*
4588966	141	143
4588967	63	218*
4588968	0*	204000*
4588969	0*	0*
4588970	90	233*
4588971	101	381*
4588972	454*	854*
4588973	0*	0*
4588974	92	126
Blank	110	123
LCS	93	120
MS	0*	730*
MSD	0*	745*
Limits:	58-149	62-159

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05235SLA026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4588960	94	88	94	83
4588961	96	93	102	85
4588962	96	90	91	80
4588963	95	91	97	81
4588964	99	92	78	88
4588965	96	95	83	79
4588966	99	98	82	83
4588967	88	86	73	78
4588968	92	90	91	79
4588969	100	100	100	105

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

### Surrogate Quality Control

4588970	92	92	82	78
4588971	89	85	93	75
4588972	97	105	100	148*
4588973	85	83	91	101
4588974	92	90	88	76
Blank	96	94	97	82
LCS	110	106	99	90
MS	94	90	93	87
MSD	88	88	97	85

Limits:	45-120	50-118	46-136	47-128
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	2-Fluorobiphenyl	Terphenyl-d14		
4588960	88	85		
4588961	96	106		
4588962	89	107		
4588963	83	99		
4588964	84	54		
4588965	81	94		
4588966	86	95		
4588967	75	50*		
4588968	89	108		
4588969	96	101		
4588970	79	95		
4588971	82	96		
4588972	110	141		
4588973	95	108		
4588974	77	95		
Blank	85	102		
LCS	89	107		
MS	93	91		
MSD	89	81		

Limits:	55-123	51-158		
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Analysis Name: 8260 Special Cmpds for Soils  
Batch number: Q052363AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588969	68*	63*	69*	59*
4588975	101	104	90	93
Blank	86	87	77	77
LCS	101	99	93	95
LCSD	105	104	96	98

Limits:	70-129	70-121	70-130	70-128
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Analysis Name: 8260 Special Cmpds for Soils  
Batch number: Q052431AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588960	88	81	69*	70
4588973	45*	34*	19*	25*
Blank	108	106	101	98
LCS	108	100	102	103
LCSD	104	100	97	98

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:36 PM

Group Number: 956370

### Surrogate Quality Control

Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: X052401AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588972	93	93	106	105
Blank	91	91	93	87
LCS	92	91	94	88
LCSD	91	92	94	89
MS	91	92	94	88
Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: X052421AA				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588961	87	86	104	83
4588962	88	86	96	85
4588963	89	84	101	81
4588964	88	90	95	107
4588965	88	85	93	89
4588966	88	87	93	91
4588974	88	91	92	91
Blank	87	89	91	89
LCS	89	84	93	92
LCSD	87	88	93	90
MS	89	88	92	91
Limits:	70-129	70-121	70-130	70-128
Analysis Name: 8260 Special Cmpds for Soils				
Batch number: X052421AB				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588967	104	82	113	74
4588968	97	99	112	81
4588970	87	81	95	87
4588971	88	87	98	83
Blank	88	86	92	90
LCS	89	84	93	92
LCSD	87	88	93	90
MS	89	88	92	91
Limits:	70-129	70-121	70-130	70-128

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 996870

Sample Nos.: 4588960-75

Acc't No.: 11549

SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix		Analyses Requested												Remarks:		
Project Manager: _____		Quote #: _____																		
Project Name/#: <u>Former Metro Container Investigation</u>																				
Sampler: _____																				
P.O. #: <u>211133-010101</u>																				
Name of state where samples were collected: <u>PA</u>																				
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	RPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture		
05-MET-0408		8/22/05	0750	X		X			4	X	X	X	X	X	X	X	X	X		N (1.0-1.5')
05-MET-0441		"	0850	X		X			4	X	X	X	X	X	X	X	X	X		N (4.5'-5.0')
05-MET-048		"	0930	X		X			4	X	X	X	X	X	X	X	X	X		N (4.5'-5.0')
05-MET-0458		"	1000	X		X			4	X	X	X	X	X	X	X	X	X		N (1.5'-2')
05-MET-0508		"	1050	X		X			4	X	X	X	X	X	X	X	X	X		N (1.5'-2')
05-MET-049		"	1120	X		X			4	X	X	X	X	X	X	X	X	X		N (4.5'-5')
05-MET-049A		"	1130	X		X			4	X	X	X	X	X	X	X	X	X		N (4.5'-5')
05-MET-051		"	1200	X		X			4	X	X	X	X	X	X	X	X	X		N (4.5'-5')
E8082205W		"	1320	-		X			1	X	X	X	X	X	X	X	X	X		EB
T3082205W		"		-		X			2	X	X									TB
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush		Relinquished by: _____		Date: <u>8/22/05</u> Time: <u>16:00</u>		Received by: _____		Date: <u>8/22/05</u> Time: <u>16:00</u>												
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)		Relinquished by: _____		Date: <u>8/22/05</u> Time: <u>18:00</u>		Received by: _____		Date: _____ Time: _____												
Date results are needed: _____		Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____												
Rush results requested by (please circle): Fax Email		Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____												
Fax #: _____ Email address: _____		Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____												
Data Package Options (please circle if required)		SDG Complete? Yes No		Relinquished by: _____		Received by: _____		Date: _____ Time: _____												
QC Summary				Relinquished by: _____		Received by: _____		Date: _____ Time: _____												
Type I (Tier I)				Relinquished by: _____		Received by: _____		Date: _____ Time: _____												
Type II (Tier II)				Relinquished by: _____		Received by: _____		Date: _____ Time: _____												
Type III (NJ Reduced Del.)				Relinquished by: _____		Received by: _____		Date: _____ Time: _____												
Type IV (GLP)				Relinquished by: _____		Received by: _____		Date: _____ Time: _____												
Type VI (Raw Data)				Relinquished by: _____		Received by: _____		Date: _____ Time: _____												
GLP				Relinquished by: _____		Received by: _____		Date: _____ Time: _____												
Other				Relinquished by: _____		Received by: _____		Date: _____ Time: _____												



# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 956370 Sample Nos.: 4588960-75

Acc't No.: 11549 SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix		Analyses Requested												Remarks:
Project Manager: _____		Quote #: _____																
Project Name/ID: <u>Former Metro Container Investigation</u>																		
P.O. #: _____																		
Name of state where samples were collected: <u>PA</u>																		
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	VOA TICs - 15	PPL SVOAS + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture		
05-MET-129	8/22/05	805	X		X			4	X									N(5.0-5.5)
05-MET-072		900	X		X			4	X									N(4-4.5)
05-MET-128		935	X		X			4	X									N(6.75-7.25)
05-MET-071		1030	X		X			4	X									N(10.25-10.75)
05-MET-074		1150	X		X			4	X									N(6.75-7.25)
05-MET-075		1400	X		X			4	X									N(3.75-4.25)
05-MET-075V		1410	X		X			4	X									N(12.5-13)
TB0822055						X		1	X									TB

Turnaround Time Requested (TAT) (please circle): Normal Rush  
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)  
Date results are needed: \_\_\_\_\_  
Rush results requested by (please circle): Fax Email  
Fax #: \_\_\_\_\_ Email address: \_\_\_\_\_

Data Package Options (please circle if required)  
QC Summary  
Type I (Tier I)  
Type II (Tier II)  
Type III (NJ Reduced Del.)  
Type IV (CLP)  
Type VI (Raw Data)  
GLP  
Other

SDG Complete? Yes No  
Site specific QC required? Yes No  
(If yes, indicate QC sample and submit triplicate volume.)  
Internal chain of custody required? Yes No

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 956371. Samples arrived at the laboratory on Monday, August 22, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-040 Grab Water Sample	4588976
05-MET-040 Filtered Grab Water Sample	4588977
05-MET-044 Grab Water Sample	4588978
05-MET-044 Filtered Grab Water Sample	4588979
05-MET-044A Grab Water Sample	4588980
05-MET-044A Filtered Grab Water Sample	4588981
05-MET-048 Grab Water Sample	4588982
05-MET-048 Filtered Grab Water Sample	4588983
05-MET-050 Grab Water Sample	4588984
05-MET-050 Filtered Grab Water Sample	4588985
05-MET-045 Grab Water Sample	4588986
05-MET-045 Filtered Grab Water Sample	4588987
05-MET-128 Grab Water Sample	4588988
05-MET-129 Grab Water Sample	4588989
05-MET-129 Filtered Grab Water Sample	4588990
05-MET-074 Grab Water Sample	4588991
05-MET-075 Grab Water Sample	4588992
05-MET-075 Filtered Grab Water Sample	4588993
05-MET-071 Grab Water Sample	4588994
05-MET-071 Filtered Grab Water Sample	4588995
05-MET-072 Grab Water Sample	4588996
05-MET-072 Filtered Grab Water Sample	4588997
EB082205W Equipment Blank Grab Water Sample	4588998
TB082205W Trip Blank Water Sample	4588999

1 COPY TO      Montgomery Watson Harza

Attn: [REDACTED]

Questions? Contact your Client Services Representative  
[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Group Leader



**Lancaster Laboratories Sample No. WW 4588976**
**05-MET-040 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-040

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	6.9 J	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	28.9	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	123.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	11.3 J	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	22.0	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	5
	The quantitation limit for cadmium was increased due to the nature of the sample matrix.						
07051	Chromium	7440-47-3	1,090.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	536.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	537.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	427.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,820.	5.3	20.0	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0089	0.027	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102766

Lancaster Laboratories Sample No. WW 4588976

05-MET-040 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-040

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl) ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	24. J	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	36. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	40. J	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	33. J	10.	50.	ug/l	1
03971	Chrysene	218-01-9	38. J	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	27. J	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102767

**Lancaster Laboratories Sample No. WW 4588976**
**05-MET-040 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-040

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
03976	Benzo(k)fluoranthene	207-08-9	10. J	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	27. J	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	17. J	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	20. J	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

The recovery of 1,2-diphenylhydrazine was above QC limits in the LCSD. Since 1,2-diphenylhydrazine was not detected in the sample, no further action was taken.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	14.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102768

Lancaster Laboratories Sample No. WW 4588976

05-MET-040 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-040

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container was adjusted to <2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:00	[REDACTED]	50
07022	Thallium	SW-846 6010B	1	08/25/2005 11:10	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 11:10	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/25/2005 11:10	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/25/2005 11:10	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 11:10	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/26/2005 14:16	[REDACTED]	5
07051	Chromium	SW-846 6010B	1	08/25/2005 11:10	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/25/2005 11:10	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/25/2005 11:10	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102769

**Lancaster Laboratories Sample No. WW 4588976**

**05-MET-040 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-040

07061	Nickel	SW-846 6010B	1	08/25/2005 11:10	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/25/2005 11:10	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/25/2005 11:10	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/30/2005 04:09	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 17:59	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 14:49	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/23/2005 16:45	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 14:49	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 15:30	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4588976	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug24a.b/ng24s03.d	
Level: (low/med) LOW	Date Received: 08/22/05	
% Moisture: not dec.	Date Analyzed: 08/24/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102771

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4588976  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0838.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	7.978	79	J
2.	!Unknown Alkane	8.314	120	J
3.	!Unknown Alkane	8.635	100	J
4.	!Unknown Alkane	8.945	94	J
5.	!Unknown Alkane	9.239	110	J
6.	!Unknown Alkane	9.522	120	J
7.	!Unknown Alkane	9.618	52	J
8.	!Unknown	9.677	53	J
9.	!Unknown	9.960	49	J
10.	!Unknown Alkane	10.067	110	J
11.	!Unknown	10.163	42	J
12.	!Unknown Alkane	10.339	85	J
13.	!Unknown	10.446	74	J
14.	!Unknown Alkane	10.601	110	J
15.	!Unknown	10.713	97	J
16.	!Unknown	10.767	77	J
17.	!Unknown Alkane	10.857	84	J
18.	!Benzo[e]pyrene	10.900	110	JX
19.	!Unknown Alkane	11.114	140	J
20.	!Unknown	11.199	61	J
21.	!Unknown Alkane	11.392	71	J
22.	!Unknown	11.536	170	J
23.	!Unknown	11.573	52	J
24.	!Unknown	12.038	83	J
25.	!Unknown	12.236	60	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102772

**Lancaster Laboratories Sample No. WW 4588977**
**05-MET-040 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 08:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	11.9	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	5.6 J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:01	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07022	Thallium	SW-846 6010B	1	08/24/2005 19:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 19:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/24/2005 19:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/24/2005 19:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 19:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 19:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/24/2005 19:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/24/2005 19:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/24/2005 19:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/24/2005 19:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/24/2005 19:44	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/25/2005 22:47	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR102773



**Lancaster Laboratories Sample No. WW 4588978**
**05-MET-044 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-044

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	12.9	1.2	4.0	ug/l	20
07022	Thallium	7440-28-0	141.	10.0	20.0	ug/l	5
07035	Arsenic	7440-38-2	102.	9.3	20.0	ug/l	5
07036	Selenium	7782-49-2	45.0	9.4	20.0	ug/l	5
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	5
07047	Beryllium	7440-41-7	87.2	0.44	5.0	ug/l	5
07049	Cadmium	7440-43-9	9.6	0.97	5.0	ug/l	5
07051	Chromium	7440-47-3	4,030.	4.8	15.0	ug/l	5
07053	Copper	7440-50-8	2,520.	1.8	10.0	ug/l	5
07055	Lead	7439-92-1	1,660.	8.4	20.0	ug/l	5
07061	Nickel	7440-02-0	2,380.	5.8	10.0	ug/l	5
07066	Silver	7440-22-4	27.4	2.0	5.0	ug/l	5
07072	Zinc	7440-66-6	7,570.	5.3	20.0	ug/l	5
The quantitation limits for the ICP metals were increased due to high amounts of iron in the sample.							
02393	Phenols	n.a.	37. J	18.	60.	ug/l	1
Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.							
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	0.14	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	0.11	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	0.047 J	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	2.9	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	0.79	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	0.34	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102774

Lancaster Laboratories Sample No. WW 4588978

05-MET-044 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-044

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0094	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	100.	500.	ug/l	10
02752	1-Methylnaphthalene	90-12-0	N.D.	100.	500.	ug/l	10
03924	2-Chlorophenol	95-57-8	N.D.	100.	500.	ug/l	10
03925	Phenol	108-95-2	N.D.	100.	500.	ug/l	10
03926	2-Nitrophenol	88-75-5	N.D.	100.	500.	ug/l	10
03927	2,4-Dimethylphenol	105-67-9	N.D.	300.	1,000.	ug/l	10
03928	2,4-Dichlorophenol	120-83-2	N.D.	100.	500.	ug/l	10
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	100.	500.	ug/l	10
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	100.	500.	ug/l	10
03931	2,4-Dinitrophenol	51-28-5	N.D.	2,000.	6,000.	ug/l	10
03932	4-Nitrophenol	100-02-7	N.D.	1,000.	3,000.	ug/l	10
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	500.	1,500.	ug/l	10
03934	Pentachlorophenol	87-86-5	N.D.	300.	1,500.	ug/l	10
03935	N-Nitrosodimethylamine	62-75-9	N.D.	200.	500.	ug/l	10
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	100.	500.	ug/l	10
03937	1,3-Dichlorobenzene	541-73-1	N.D.	100.	500.	ug/l	10
03938	1,4-Dichlorobenzene	106-46-7	N.D.	100.	500.	ug/l	10
03939	1,2-Dichlorobenzene	95-50-1	N.D.	100.	500.	ug/l	10
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	100.	500.	ug/l	10
03941	Hexachloroethane	67-72-1	N.D.	100.	500.	ug/l	10
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	100.	500.	ug/l	10
03943	Nitrobenzene	98-95-3	N.D.	100.	500.	ug/l	10
03944	Isophorone	78-59-1	N.D.	100.	500.	ug/l	10
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	100.	500.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102775

**Lancaster Laboratories Sample No. WW 4588978**
**05-MET-044 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 09:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-044

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	100.	500.	ug/l	10
03947	Naphthalene	91-20-3	N.D.	100.	500.	ug/l	10
03948	Hexachlorobutadiene	87-68-3	N.D.	100.	500.	ug/l	10
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	500.	1,500.	ug/l	10
03950	2-Chloronaphthalene	91-58-7	N.D.	100.	500.	ug/l	10
03951	Acenaphthylene	208-96-8	N.D.	100.	500.	ug/l	10
03952	Dimethylphthalate	131-11-3	N.D.	200.	500.	ug/l	10
03953	2,6-Dinitrotoluene	606-20-2	N.D.	100.	500.	ug/l	10
03954	Acenaphthene	83-32-9	N.D.	100.	500.	ug/l	10
03955	2,4-Dinitrotoluene	121-14-2	N.D.	100.	500.	ug/l	10
03956	Fluorene	86-73-7	N.D.	100.	500.	ug/l	10
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	100.	500.	ug/l	10
03958	Diethylphthalate	84-66-2	N.D.	200.	500.	ug/l	10
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	100.	500.	ug/l	10
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	200.	500.	ug/l	10
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	100.	500.	ug/l	10
03962	Hexachlorobenzene	118-74-1	N.D.	100.	500.	ug/l	10
03963	Phenanthrene	85-01-8	N.D.	100.	500.	ug/l	10
03964	Anthracene	120-12-7	N.D.	100.	500.	ug/l	10
03965	Di-n-butylphthalate	84-74-2	N.D.	200.	500.	ug/l	10
03966	Fluoranthene	206-44-0	N.D.	100.	500.	ug/l	10
03967	Pyrene	129-00-0	N.D.	100.	500.	ug/l	10
03968	Benzidine	92-87-5	N.D.	2,000.	6,000.	ug/l	10
03969	Butylbenzylphthalate	85-68-7	N.D.	200.	500.	ug/l	10
03970	Benzo(a)anthracene	56-55-3	N.D.	100.	500.	ug/l	10
03971	Chrysene	218-01-9	N.D.	100.	500.	ug/l	10
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	200.	500.	ug/l	10
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	200.	500.	ug/l	10
03974	Di-n-octylphthalate	117-84-0	N.D.	200.	500.	ug/l	10
03975	Benzo(b)fluoranthene	205-99-2	N.D.	100.	500.	ug/l	10
03976	Benzo(k)fluoranthene	207-08-9	N.D.	100.	500.	ug/l	10
03977	Benzo(a)pyrene	50-32-8	N.D.	100.	500.	ug/l	10
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	100.	500.	ug/l	10
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	100.	500.	ug/l	10
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	100.	500.	ug/l	10

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR102776

Lancaster Laboratories Sample No. WW 4588978

05-MET-044 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-044

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
Surrogate recoveries were outside of QC limits for the GC/MS semivolatile compounds due to the dilution needed to perform the analysis.							
The recovery of 1,2-diphenylhydrazine was above QC limits in the LCSD. Since 1,2-diphenylhydrazine was not detected in the sample, no further action was taken.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	3. J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	12. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102777

Lancaster Laboratories Sample No. WW 4588978

05-MET-044 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-044

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:03	[REDACTED]	20
07022	Thallium	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5
07035	Arsenic	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5
07036	Selenium	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5
07044	Antimony	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5
07047	Beryllium	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5
07049	Cadmium	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5
07051	Chromium	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5
07053	Copper	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5
07055	Lead	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5
07061	Nickel	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5
07066	Silver	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5

\*=This limit was used in the evaluation of the final result

AR102778

**Lancaster Laboratories Sample No. WW 4588978**

**05-MET-044 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:21

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-044

07072	Zinc	SW-846 6010B	1	08/25/2005 23:16	[REDACTED]	5
02393	Phenols	SW846 9066	1	08/25/2005 15:18	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:25	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 02:26	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/30/2005 04:39	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/26/2005 15:05	[REDACTED]	10
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 15:12	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/23/2005 16:45	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/23/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 15:12	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/24/2005 14:20	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4588978	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug24a.b/ng24s04.d	
Level: (low/med) LOW	Date Received: 08/22/05	
% Moisture: not dec.	Date Analyzed: 08/24/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102780

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4588978  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0866.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture:              Decanted: (Y/N)              Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/26/05  
 Injection Volume: 1 (uL) Dilution Factor: 10  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102781



**Lancaster Laboratories Sample No. WW 4588979**
**05-MET-044 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 09:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:22

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	19.1 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	0.54 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.5 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	276.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	736.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:04	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07022	Thallium	SW-846 6010B	1	08/24/2005 20:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 20:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/24/2005 20:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/24/2005 20:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 20:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 20:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/24/2005 20:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/24/2005 20:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/24/2005 20:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/24/2005 20:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/24/2005 20:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/25/2005 23:21	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR102782

**Lancaster Laboratories Sample No. WW 4588980**

**05-MET-044A Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:22

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W044A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	2.8	0.31	1.0	ug/l	5
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	23.7	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	43.6	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	14.7	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	7.8	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	588.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	404.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	327.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	546.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,940.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	46. J	18.	60.	ug/l	1
	Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.						
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
	After receipt the pH of this container was adjusted to >12.						
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	0.73	0.10	0.50	ug/l	5
01601	Beta BHC	319-85-7	N.D.	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.10	0.50	ug/l	5
01603	Delta BHC	319-86-8	0.54	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.10	0.50	ug/l	5
01605	Aldrin	309-00-2	N.D.	0.25	1.0	ug/l	5
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.10	0.50	ug/l	5
01607	p,p-DDE	72-55-9	30.	0.80	4.0	ug/l	20
01608	p,p-DDD	72-54-8	8.8	0.30	1.0	ug/l	5
01609	p,p-DDT	50-29-3	4.6	0.30	1.0	ug/l	5
01610	Dieldrin	60-57-1	N.D.	0.50	1.5	ug/l	5
01611	Endrin	72-20-8	N.D.	0.20	1.0	ug/l	5
01612	Chlordane	57-74-9	N.D.	3.5	25.	ug/l	5
01613	Toxaphene	8001-35-2	N.D.	15.	50.	ug/l	5
01615	Endosulfan II	33213-65-9	N.D.	0.20	1.0	ug/l	5
01616	Endosulfan I	959-98-8	N.D.	0.10	0.50	ug/l	5
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.30	1.0	ug/l	5

\*=This limit was used in the evaluation of the final result

AR102783

**Lancaster Laboratories Sample No. WW 4588980**

**05-MET-044A Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 09:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:22

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W044A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01618	Endrin Aldehyde	7421-93-4	N.D.	1.2	5.0	ug/l	5
01619	PCB-1016	12674-11-2	N.D.	5.0	25.	ug/l	5
01620	PCB-1221	11104-28-2	N.D.	5.5	25.	ug/l	5
01621	PCB-1232	11141-16-5	N.D.	5.0	25.	ug/l	5
01622	PCB-1242	53469-21-9	N.D.	5.0	25.	ug/l	5
01623	PCB-1248	12672-29-6	N.D.	5.0	25.	ug/l	5
01624	PCB-1254	11097-69-1	N.D.	7.0	25.	ug/l	5
01626	PCB-1260	11096-82-5	N.D.	5.0	25.	ug/l	5
01860	Methoxychlor	72-43-5	N.D.	1.5	5.0	ug/l	5
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102784

Lancaster Laboratories Sample No. WW 4588980

05-MET-044A Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:22

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W044A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

The recovery of 1,2-diphenylhydrazine was above QC limits in the LCSD. Since

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4588980

05-MET-044A Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:22

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W044A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
	1,2-diphenylhydrazine was not detected in the sample, no further action was taken.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	2. J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	10. J	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

\*=This limit was used in the evaluation of the final result

AR102786

Lancaster Laboratories Sample No. WW 4588980

05-MET-044A Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:22

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W044A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 07:59	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/24/2005 20:32	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 20:32	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/24/2005 20:32	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/24/2005 20:32	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 20:32	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 20:32	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/24/2005 20:32	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/24/2005 20:32	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/24/2005 20:32	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/24/2005 20:32	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/24/2005 20:32	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/25/2005 23:36	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/29/2005 12:06	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:26	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/30/2005 11:49	[REDACTED]	5
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/30/2005 15:18	[REDACTED]	20
07879	EDB	SW-846 8011	1	08/30/2005 05:39	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 18:41	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102787

**Lancaster Laboratories Sample No. WW 4588980**

**05-MET-044A Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:22

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W044A

07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 15:35	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/23/2005 16:45	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	2	08/29/2005 09:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 15:35	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! W044A !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4588980	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP07159.i/05aug24a.b/ng24s05.d	
% Moisture: not dec.	Date Received: 08/22/05	
Column: (pack/cap) CAP	Date Analyzed: 08/24/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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9.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102789



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4588980  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0840.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture:              Decanted: (Y/N)              Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 4 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	11.525	44	J
2.	Unknown	11.541	44	J
3.	Unknown	11.557	64	J
4.	Unknown	11.819	50	J
5.				
6.				
7.				
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30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102790



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4588981

05-MET-044A Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:23

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result		As Received	As Received	Units	Dilution Factor
					Method	Limit of		
					Detection Limit*	Quantitation		
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	17.2	J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.		4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.5	J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	9.2	J	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	294.		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	807.		5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/27/2005 08:00	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/24/2005 20:36	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 20:36	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/24/2005 20:36	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/24/2005 20:36	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 20:36	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 20:36	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/24/2005 20:36	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/24/2005 20:36	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/24/2005 20:36	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/24/2005 20:36	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/24/2005 20:36	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/25/2005 23:41	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102791

**Lancaster Laboratories Sample No. WW 4588982**

**05-MET-048 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:23

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-048

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	17.6	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	67.0	10.0	20.0	ug/l	5
07035	Arsenic	7440-38-2	212.	9.3	20.0	ug/l	5
07036	Selenium	7782-49-2	22.5	9.4	20.0	ug/l	5
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	5
07047	Beryllium	7440-41-7	50.2	0.44	5.0	ug/l	5
07049	Cadmium	7440-43-9	16.7	0.97	5.0	ug/l	5
07051	Chromium	7440-47-3	2,230.	4.8	15.0	ug/l	5
07053	Copper	7440-50-8	1,430.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	2,350.	8.4	20.0	ug/l	5
07061	Nickel	7440-02-0	901.	5.8	10.0	ug/l	5
07066	Silver	7440-22-4	30.9	2.0	5.0	ug/l	5
07072	Zinc	7440-66-6	3,870.	5.3	20.0	ug/l	5
The quantitation limits for the ICP metals were increased due to high amounts of iron in the sample.							
02393	Phenols	n.a.	100.	18.	60.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
After receipt the pH of this container was adjusted to >12.							
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	11.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	56.	6.0	20.	ug/l	50
01602	Gamma BHC - Lindane	58-89-9	1.3	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	100.	1.9	5.0	ug/l	50
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	2.4	0.40	2.0	ug/l	10
01608	p,p-DDD	72-54-8	2.6	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	0.98	0.60	2.0	ug/l	10
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102792

Lancaster Laboratories Sample No. WW 4588982

05-MET-048 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:23

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-048

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	N.D.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0094	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	18. J	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	16. J	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102793

Lancaster Laboratories Sample No. WW 4588982

05-MET-048 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:23

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-048

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	16. J	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	11. J	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	62.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	19. J	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	120.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	88.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	56.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	74.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	86.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	31. J	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	50. J	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	40. J	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	24. J	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	46. J	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

The recovery of 1,2-diphenylhydrazine was above QC limits in the LCSD. Since

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 4588982**
**05-MET-048 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:23

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-048

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
	1,2-diphenylhydrazine was not detected in the sample, no further action was taken.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.8 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	6.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

\*=This limit was used in the evaluation of the final result

AR102795

**Lancaster Laboratories Sample No. WW 4588982**
**05-MET-048 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:00

by

Account Number: 11549

Submitted: 08/22/2005 18:07

Montgomery Watson Harza

Reported: 09/07/2005 at 11:23

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

W-048

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:01		10
07022	Thallium	SW-846 6010B	1	08/25/2005 23:45		5
07035	Arsenic	SW-846 6010B	1	08/25/2005 23:45		5
07036	Selenium	SW-846 6010B	1	08/25/2005 23:45		5
07044	Antimony	SW-846 6010B	1	08/25/2005 23:45		5
07047	Beryllium	SW-846 6010B	1	08/25/2005 23:45		5
07049	Cadmium	SW-846 6010B	1	08/25/2005 23:45		5
07051	Chromium	SW-846 6010B	1	08/25/2005 23:45		5
07053	Copper	SW-846 6010B	1	08/24/2005 20:41		1
07055	Lead	SW-846 6010B	1	08/25/2005 23:45		5
07061	Nickel	SW-846 6010B	1	08/25/2005 23:45		5
07066	Silver	SW-846 6010B	1	08/25/2005 23:45		5
07072	Zinc	SW-846 6010B	1	08/25/2005 23:45		5
02393	Phenols	SW846 9066	1	08/29/2005 12:08		1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:29		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 03:28		10
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 03:49		50
07879	EDB	SW-846 8011	1	08/30/2005 06:09		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 19:02		1

\*=This limit was used in the evaluation of the final result

AR102796

**Lancaster Laboratories Sample No. WW 4588982**

**05-MET-048 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:23

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-048

07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 15:58	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/23/2005 16:45	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/23/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 15:58	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4588982  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug24a.b/ng24s06.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec.      Date Analyzed: 08/24/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.03	36	J
2.				
3.				
4.				
5.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102798

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4588982  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0841.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 14 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.272	95	J
2.	!Unknown	2.507	65	J
3.	!Unknown	6.674	220	J
4.	!Cyclohexane, 1,2,3,4,5,6-hex	7.759	67	JX
5.	!Unknown	7.812	83	J
6.	!1H-Indene, 2-methyl-3-phenyl	8.544	61	JX
7.	!Unknown	8.598	57	J
8.10544-50-0	!Cyclic octaatomic sulfur	8.720	540	J
9.	!Triphenylene	9.853	71	JX
10.	!Benz[a]anthracene, 6-methyl-	10.168	45	JX
11.	!Benz[a]anthracene, 9-methyl-	10.275	43	JX
12.	!Unknown Alkane	10.857	40	J
13.	!Benzo[e]pyrene	10.900	93	JX
14.	!Benz[j]aceanthrylene, 3-meth	11.189	49	JX
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102799

**Lancaster Laboratories Sample No. WW 4588983**
**05-MET-048 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	1.5 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.9 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	9.3 J	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	43.4	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	102.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:03	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07022	Thallium	SW-846 6010B	1	08/24/2005 20:46	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 20:46	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/24/2005 20:46	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/24/2005 20:46	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 20:46	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 20:46	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/24/2005 20:46	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/24/2005 20:46	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/24/2005 20:46	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/24/2005 20:46	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/24/2005 20:46	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/25/2005 23:50	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR102800

**Lancaster Laboratories Sample No. WW 4588984**

**05-MET-050 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-050

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	6.6	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	73.7	10.0	20.0	ug/l	5
07035	Arsenic	7440-38-2	235.	9.3	20.0	ug/l	5
07036	Selenium	7782-49-2	57.7	9.4	20.0	ug/l	5
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	5
07047	Beryllium	7440-41-7	52.6	0.44	5.0	ug/l	5
07049	Cadmium	7440-43-9	11.9	0.97	5.0	ug/l	5
07051	Chromium	7440-47-3	2,550.	4.8	15.0	ug/l	5
07053	Copper	7440-50-8	1,170.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	1,500.	8.4	20.0	ug/l	5
07061	Nickel	7440-02-0	1,290.	5.8	10.0	ug/l	5
07066	Silver	7440-22-4	25.5	2.0	5.0	ug/l	5
07072	Zinc	7440-66-6	3,240.	5.3	20.0	ug/l	5
The quantitation limits for the ICP metals were increased due to high amounts of iron in the sample.							
02393	Phenols	n.a.	N.D.	18.	60.	ug/l	1
Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.							
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
After receipt the pH of this container was adjusted to >12.							
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	0.13	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	0.57	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	0.43	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	0.076 J	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	0.72	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	1.7	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	0.63	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	7.6	0.50	1.5	ug/l	5
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	0.097 J	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102801

Lancaster Laboratories Sample No. WW 4588984

05-MET-050 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-050

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102802

Lancaster Laboratories Sample No. WW 4588984

05-MET-050 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-050

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

\*=This limit was used in the evaluation of the final result

AR102803

**Lancaster Laboratories Sample No. WW 4588984**
**05-MET-050 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-050

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

\* = This limit was used in the evaluation of the final result

AR102804

Lancaster Laboratories Sample No. WW 4588984

05-MET-050 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-050

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:04	[REDACTED]	10
07022	Thallium	SW-846 6010B	1	08/25/2005 23:55	[REDACTED]	5
07035	Arsenic	SW-846 6010B	1	08/25/2005 23:55	[REDACTED]	5
07036	Selenium	SW-846 6010B	1	08/25/2005 23:55	[REDACTED]	5
07044	Antimony	SW-846 6010B	1	08/25/2005 23:55	[REDACTED]	5
07047	Beryllium	SW-846 6010B	1	08/25/2005 23:55	[REDACTED]	5
07049	Cadmium	SW-846 6010B	1	08/25/2005 23:55	[REDACTED]	5
07051	Chromium	SW-846 6010B	1	08/25/2005 23:55	[REDACTED]	5
07053	Copper	SW-846 6010B	1	08/24/2005 20:51	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/25/2005 23:55	[REDACTED]	5
07061	Nickel	SW-846 6010B	1	08/25/2005 23:55	[REDACTED]	5
07066	Silver	SW-846 6010B	1	08/25/2005 23:55	[REDACTED]	5
07072	Zinc	SW-846 6010B	1	08/25/2005 23:55	[REDACTED]	5
02393	Phenols	SW846 9066	1	08/29/2005 12:09	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:33	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 04:09	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 04:30	[REDACTED]	5
07879	EDB	SW-846 8011	1	08/30/2005 06:39	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/30/2005 04:55	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 16:22	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	2	08/29/2005 10:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102805



**Lancaster Laboratories Sample No. WW 4588984**

**05-MET-050 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:24

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-050

00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/23/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 16:22	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4588984	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug24a.b/ng24s07.d	
Level: (low/med) LOW	Date Received: 08/22/05	
% Moisture: not dec.	Date Analyzed: 08/24/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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23.				
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25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102807

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4588984  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0982.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/29/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/30/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 19 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.10544-50-0	Cyclic octaatomic sulfur	8.619	53	J
2.	Unknown Alkane	9.169	40	J
3.	Unknown Alkane	9.452	69	J
4.	Unknown Alkane	9.725	50	J
5.	Unknown Alkane	9.997	46	J
6.	Unknown Alkane	10.531	50	J
7.	Unknown	10.708	61	J
8.	Unknown	10.740	82	J
9.	Unknown	10.772	41	J
10.	Unknown Alkane	10.788	92	J
11.	Unknown	10.820	58	J
12.	Unknown	10.852	46	J
13.	Unknown	10.959	45	J
14.	Unknown Alkane	11.044	75	J
15.	Unknown	12.289	5600	J
16.	Unknown	12.593	85	J
17.	Unknown	12.636	85	J
18.	Unknown	12.700	43	J
19.	Unknown	12.743	41	J
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102808

**Lancaster Laboratories Sample No. WW 4588985**
**05-MET-050 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 10:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.31	1.0	ug/l	5
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	13.8 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	1.9 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	4.3 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	14.5 J	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	182.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	409.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:06	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/24/2005 20:55	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 20:55	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/24/2005 20:55	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/24/2005 20:55	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 20:55	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 20:55	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/24/2005 20:55	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/24/2005 20:55	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/24/2005 20:55	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/24/2005 20:55	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/24/2005 20:55	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/26/2005 00:00	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102809

**Lancaster Laboratories Sample No. WW 4588985**

**05-MET-050 Filtered Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 10:30

by ■

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**Lancaster Laboratories Sample No. WW 4588986**

**05-MET-045 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-045

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	8.0	1.2	4.0	ug/l	20
07022	Thallium	7440-28-0	125.	10.0	20.0	ug/l	5
07035	Arsenic	7440-38-2	302.	9.3	20.0	ug/l	5
07036	Selenium	7782-49-2	37.2	9.4	20.0	ug/l	5
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	5
07047	Beryllium	7440-41-7	70.9	0.44	5.0	ug/l	5
07049	Cadmium	7440-43-9	8.7	0.97	5.0	ug/l	5
07051	Chromium	7440-47-3	2,760.	4.8	15.0	ug/l	5
07053	Copper	7440-50-8	1,430.	1.8	10.0	ug/l	5
07055	Lead	7439-92-1	1,500.	8.4	20.0	ug/l	5
07061	Nickel	7440-02-0	1,700.	5.8	10.0	ug/l	5
07066	Silver	7440-22-4	19.7	2.0	5.0	ug/l	5
07072	Zinc	7440-66-6	5,500.	5.3	20.0	ug/l	5
The quantitation limits for the ICP metals were increased due to high amounts of iron in the sample.							
02393	Phenols	n.a.	N.D.	18.	60.	ug/l	1
Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.							
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	0.63	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	5.2	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	0.058 J	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	5.3	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	0.17 J	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	0.15 J	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	0.089 J	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	0.17 J	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102811

Lancaster Laboratories Sample No. WW 4588986

05-MET-045 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-045

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0093	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102812

Lancaster Laboratories Sample No. WW 4588986

05-MET-045 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-045

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	12. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	11. J	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR102813



Lancaster Laboratories Sample No. WW 4588986

05-MET-045 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-045

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
The recovery of 1,2-diphenylhydrazine was above QC limits in the LCS.D. Since 1,2-diphenylhydrazine was not detected in the sample, no further action was taken.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	1. J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	5. J	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	2. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	2. J	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	58.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be							

\*=This limit was used in the evaluation of the final result

AR102814

Lancaster Laboratories Sample No. WW 4588986

05-MET-045 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-045

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
	recovered in an acid preserved sample.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:10	[REDACTED]	20
07022	Thallium	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
07035	Arsenic	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
07036	Selenium	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
07044	Antimony	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
07047	Beryllium	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
07049	Cadmium	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
07051	Chromium	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
07053	Copper	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
07055	Lead	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
07061	Nickel	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
07066	Silver	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
07072	Zinc	SW-846 6010B	1	08/26/2005 00:05	[REDACTED]	5
02393	Phenols	SW846 9066	1	08/29/2005 12:10	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:34	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 04:50	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 05:11	[REDACTED]	5
07879	EDB	SW-846 8011	1	08/30/2005 07:09	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102815

**Lancaster Laboratories Sample No. WW 4588986**

**05-MET-045 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-045

04678	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 19:44	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 16:45	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/23/2005 16:45	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/23/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 16:45	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4588986	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug24a.b/ng24s08.d	
Level: (low/med) LOW	Date Received: 08/22/05	
% Moisture: not dec.	Date Analyzed: 08/24/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102817

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4588986  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0843.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 6 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.272	17000	J
2.	!Unknown	4.804	43	J
3.	!Unknown Alkane	10.601	43	J
4.	!Unknown Alkane	10.857	44	J
5.	!Unknown	11.108	45	J
6.	!Unknown Alkane	11.696	41	J
7.				
8.				
9.				
10.				
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29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102818

**Lancaster Laboratories Sample No. WW 4588987**
**05-MET-045 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.31	1.0	ug/l	5
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	11.5 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	1.0 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	9.2 J	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	7.6 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	13.3 J	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	215.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	694.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:11	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/24/2005 21:05	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 21:05	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/24/2005 21:05	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/24/2005 21:05	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 21:05	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 21:05	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/24/2005 21:05	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/24/2005 21:05	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/24/2005 21:05	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/24/2005 21:05	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/24/2005 21:05	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/26/2005 00:10	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102819

**Lancaster Laboratories Sample No. WW 4588987**

**05-MET-045 Filtered Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 11:30

by ■

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

**Lancaster Laboratories Sample No. WW 4588988**

**05-MET-128 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 13:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:25

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-128

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.5 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102821



Lancaster Laboratories Sample No. WW 4588988

05-MET-128 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 13:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Montgomery Watson Harza

Reported: 09/07/2005 at 11:25

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

W-128

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/30/2005 08:10	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 17:08	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 17:08	[REDACTED]	n.a.
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1

\*This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4588988  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug24a.b/ng24s09.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec.      Date Analyzed: 08/24/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102823

**Lancaster Laboratories Sample No. WW 4588989**
**05-MET-129 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-129

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	0.85	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	29.7	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	6.0	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	5.0 J	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	306.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	210.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	545.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	165.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,310.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	58. J	18.	60.	ug/l	1
Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.							
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	1.1	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	0.47 J	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	2.3	2.3	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	21.	21.	ug/l	10
01610	Dieldrin	60-57-1	N.D.	3.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102824

**Lancaster Laboratories Sample No. WW 4588989**
**05-MET-129 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-129

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	N.D.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	540.	50.	250.	ug/l	50
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10

Due to the nature of the sample matrix, a reduced aliquot was used for the extraction and a dilution was used for the analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram from aroclor 1260, the values reported represent the lowest reporting limits obtainable for 4,4-DDE, dieldrin, and 4,4-DDT. Despite numerous cleanup methods, we were unable to reach our usual reporting limits.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
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04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1

\* = This limit was used in the evaluation of the final result

AR102825

Lancaster Laboratories Sample No. WW 4588989

05-MET-129 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-129

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	13. J	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102826

**Lancaster Laboratories Sample No. WW 4588989**
**05-MET-129 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-129

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

The recovery of 1,2-diphenylhydrazine was above QC limits in the LCSD. Since 1,2-diphenylhydrazine was not detected in the sample, no further action was taken.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	2.	J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.		10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.		2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	12.		0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	4.	J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	5.	ug/l	1
05396	Chloroform	67-66-3	45.		0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	19.		0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	200.		1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.		1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102827

Lancaster Laboratories Sample No. WW 4588989

05-MET-129 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-129

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:12	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/24/2005 21:10	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 21:10	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/24/2005 21:10	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/24/2005 21:10	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 21:10	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 21:10	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/24/2005 21:10	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/24/2005 21:10	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/24/2005 21:10	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/24/2005 21:10	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/24/2005 21:10	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/26/2005 00:14	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102828

**Lancaster Laboratories Sample No. WW 4588989**

**05-MET-129 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-129

02393	Phenols	SW846 9066	1	08/29/2005 12:11	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:35	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 05:32	[REDACTED]	10
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 05:52	[REDACTED]	50
07879	EDB	SW-846 8011	1	08/30/2005 08:40	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 20:05	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 17:31	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/23/2005 16:45	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/23/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 17:31	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/26/2005 15:00	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4588989  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug24a.b/ng24s10.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec.      Date Analyzed: 08/24/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.00	7	J
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102830

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4588989  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0844.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture:              Decanted: (Y/N)              Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102831



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4588990

05-MET-129 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 14:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.4 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	7.5 J	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	11.5 J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:13	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/24/2005 21:14	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 21:14	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/24/2005 21:14	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/24/2005 21:14	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 21:14	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 21:14	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/24/2005 21:14	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/24/2005 21:14	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/24/2005 21:14	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/24/2005 21:14	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/24/2005 21:14	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/26/2005 00:19	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102832

Lancaster Laboratories Sample No. WW 4588991

05-MET-074 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-074

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.9 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	3. J	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	1. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	12.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	5.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	54.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102833

**Lancaster Laboratories Sample No. WW 4588991**
**05-MET-074 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 15:00

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:26

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-074

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample. A GC/MS volatile internal standard peak area was outside the QC limits. Because this sample was used for batch QC, there was insufficient sample volume to repeat the analysis. The t-butyl alcohol is the only target compound that references this internal standard, and it was not detected in this sample.

Matrix QC was performed on this sample for the GC/MS volatile analysis. Please see the attached QC summary report for compounds showing a matrix bias.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/30/2005 09:10	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 18:04	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 18:04	[REDACTED]	n.a.
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4588991  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug24a.b/ng24s11.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec.      Date Analyzed: 08/24/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102835

**Lancaster Laboratories Sample No. WW 4588992**

**05-MET-075 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-075

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	2.1 J	1.2	4.0	ug/l	20
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	29.2	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	46.4	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	16.1	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	10.6	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	889.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	384.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	557.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	536.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	1,010.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	42. J	18.	60.	ug/l	1
	Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.						
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.10	0.50	ug/l	5
01601	Beta BHC	319-85-7	N.D.	0.60	2.0	ug/l	5
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.10	0.50	ug/l	5
01603	Delta BHC	319-86-8	N.D.	0.19	0.50	ug/l	5
01604	Heptachlor	76-44-8	N.D.	0.10	0.50	ug/l	5
01605	Aldrin	309-00-2	N.D.	0.25	1.0	ug/l	5
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.10	0.50	ug/l	5
01607	p,p-DDE	72-55-9	N.D.	3.3	3.3	ug/l	5
01608	p,p-DDD	72-54-8	N.D.	8.9	8.9	ug/l	5
01609	p,p-DDT	50-29-3	N.D.	0.30	1.0	ug/l	5
01610	Dieldrin	60-57-1	N.D.	2.3	2.3	ug/l	5
01611	Endrin	72-20-8	N.D.	1.0	1.0	ug/l	5
01612	Chlordane	57-74-9	N.D.	3.5	25.	ug/l	5
01613	Toxaphene	8001-35-2	N.D.	15.	50.	ug/l	5
01615	Endosulfan II	33213-65-9	N.D.	0.20	1.0	ug/l	5
01616	Endosulfan I	959-98-8	N.D.	0.10	0.50	ug/l	5
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.30	1.0	ug/l	5
01618	Endrin Aldehyde	7421-93-4	N.D.	1.2	5.0	ug/l	5

\*=This limit was used in the evaluation of the final result

AR102836

Lancaster Laboratories Sample No. WW 4588992

05-MET-075 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-075

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	5.0	25.	ug/l	5
01620	PCB-1221	11104-28-2	N.D.	5.5	25.	ug/l	5
01621	PCB-1232	11141-16-5	N.D.	5.0	25.	ug/l	5
01622	PCB-1242	53469-21-9	N.D.	5.0	25.	ug/l	5
01623	PCB-1248	12672-29-6	120.	5.0	25.	ug/l	5
01624	PCB-1254	11097-69-1	90.	7.0	25.	ug/l	5
01626	PCB-1260	11096-82-5	58.	5.0	25.	ug/l	5
01860	Methoxychlor	72-43-5	N.D.	1.5	5.0	ug/l	5

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram from the detected aroclors, the values reported represent the lowest reporting limits obtainable for 4,4-DDE, dieldrin, endrin, and 4,4-DDD.

Despite numerous cleanup methods, we were unable to reach our usual reporting limits.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.028	ug/l	1
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04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102837



**Lancaster Laboratories Sample No. WW 4588992**
**05-MET-075 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-075

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	68.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	17. J	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	91.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	80.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	53.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	56.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	21. J	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	57.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	23. J	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	37. J	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102838

**Lancaster Laboratories Sample No. WW 4588992**
**05-MET-075 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-075

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
03978	Indeno(1,2,3-cd)pyrene	193-39-5	24. J	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	11. J	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	29. J	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

The recovery of 1,2-diphenylhydrazine was above QC limits in the LCSD. Since 1,2-diphenylhydrazine was not detected in the sample, no further action was taken.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	0.5 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	1. J	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	1. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	34.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	3. J	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	10.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102839

**Lancaster Laboratories Sample No. WW 4588992**
**05-MET-075 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-075

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	10.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:19	<span style="background-color: black; color: black;">[REDACTED]</span>	20
07022	Thallium	SW-846 6010B	1	08/24/2005 21:28	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 21:28	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/24/2005 21:28	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/24/2005 21:28	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 21:28	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 21:28	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/24/2005 21:28	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/24/2005 21:28	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/24/2005 21:28	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/24/2005 21:28	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/24/2005 21:28	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/26/2005 00:34	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\* = This limit was used in the evaluation of the final result

AR102840

**Lancaster Laboratories Sample No. WW 4588992**

**05-MET-075 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-075

02393	Phenols	SW846 9066	1	08/29/2005 12:13	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:36	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 08:22	[REDACTED]	5
07879	EDB	SW-846 8011	1	08/30/2005 09:41	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 20:26	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 18:27	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/23/2005 16:45	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/23/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 18:27	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4588992  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug24a.b/ng24s12.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec.      Date Analyzed: 08/24/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.03	78	J
2.	Unknown	14.44	5	J
3.				
4.				
5.				
6.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102842

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4588992  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0845.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 5 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	6.664	46	J
2.	Unknown	7.353	45	J
3.10544-50-0	Cyclic octaatomic sulfur	8.704	180	J
4.	Unknown	9.527	47	J
5.	Unknown	11.023	49	J
6.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102843



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4588993

05-MET-075 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 15:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Limit of Quantitation	Units	Dilution Factor
				Method	Detection Limit*			
00259	Mercury	7439-97-6	N.D.		0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.		10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.		9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.		9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.		6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.		0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.		0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	9.4	J	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	5.3	J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.		8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	11.0		5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.		2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	14.2	J	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/27/2005 08:21	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/24/2005 21:33	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 21:33	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/24/2005 21:33	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/24/2005 21:33	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 21:33	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 21:33	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/24/2005 21:33	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/24/2005 21:33	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/24/2005 21:33	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/24/2005 21:33	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/24/2005 21:33	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102844

**Lancaster Laboratories Sample No. WW 4588994**

**05-MET-071 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 14:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-071

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	3.5	0.31	1.0	ug/l	5
07022	Thallium	7440-28-0	13.3 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	37.0	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	3.2 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	80.8	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	188.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	297.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	1,760.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	91.7	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	4,040.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	8.9 J	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	1.0	1.0	ug/l	10
01607	p,p-DDE	72-55-9	N.D.	5.2	5.2	ug/l	10
01608	p,p-DDD	72-54-8	N.D.	13.	13.	ug/l	10
01609	p,p-DDT	50-29-3	N.D.	21.	21.	ug/l	10
01610	Dieldrin	60-57-1	N.D.	4.7	4.7	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	2.0	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10

\*=This limit was used in the evaluation of the final result

AR102845



**Lancaster Laboratories Sample No. WW 4588994**
**05-MET-071 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-071

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	50.	50.	ug/l	10
01624	PCB-1254	11097-69-1	210.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	50.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
Due to interfering peaks on the chromatogram from aroclor 1254, the values reported represent the lowest reporting limits obtainable for heptachlor epoxide, 4,4-DDE, dieldrin, 4,4-DDD, endosulfan II, and 4,4-DDT. Despite numerous cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	2. J	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	58.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102846

Lancaster Laboratories Sample No. WW 4588994

05-MET-071 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-071

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	3. J	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	5.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	4. J	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	58.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	3. J	1.	5.	ug/l	1
03971	Chrysene	218-01-9	3. J	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	2. J	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	4. J	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	1. J	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	3. J	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	2. J	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	2. J	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102847

Lancaster Laboratories Sample No. WW 4588994

05-MET-071 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-071

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
The recovery of 1,2-diphenylhydrazine was above QC limits in the LCSd. Since 1,2-diphenylhydrazine was not detected in the sample, no further action was taken.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be							

\*=This limit was used in the evaluation of the final result

AR102848

**Lancaster Laboratories Sample No. WW 4588994**
**05-MET-071 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-071

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
	recovered in an acid preserved sample.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:22	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/24/2005 21:38	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 21:38	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/24/2005 21:38	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/24/2005 21:38	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 21:38	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 21:38	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/24/2005 21:38	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/24/2005 21:38	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/24/2005 21:38	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/24/2005 21:38	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/24/2005 21:38	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/26/2005 00:43	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/29/2005 12:16	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:37	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 08:43	[REDACTED]	10
07879	EDB	SW-846 8011	1	08/30/2005 10:11	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 20:47	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 19:13	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102849

**Lancaster Laboratories Sample No. WW 4588994**

**05-MET-071 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:27

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-071

00813	BNA Water Extraction	SW-846 3510C	1	08/23/2005 16:45	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/23/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 19:13	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4588994	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug24a.b/ng24s14.d	
Level: (low/med) LOW	Date Received: 08/22/05	
% Moisture: not dec.	Date Analyzed: 08/24/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102851

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4588994  
 Sample wt/vol: 1036 (g/mL) mL Lab File ID: eh0846.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 11 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	1.995	5	J
2.719-22-2	!2,5-Cyclohexadiene-1,4-dione!	6.332	5	J
3.	!Unknown	6.413	8	J
4.	!Unknown	6.664	5	J
5.	!Unknown	7.951	6	J
6.	!Unknown	8.170	5	J
7.	!Unknown	8.245	5	J
8.10544-50-0	!Cyclic octaatomic sulfur	8.699	10	J
9.80-05-7	!Phenol, 4,4'-(1-methylethyl)	8.918	10	J
10.	!Unknown	10.756	4	J
11.	!Unknown	11.696	4	J
12.				
13.				
14.				
15.				
16.				
17.				
18.				
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21.				
22.				
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29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102852

**Lancaster Laboratories Sample No. WW 4588995**
**05-MET-071 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 14:30

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.31	1.0	ug/l	5
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	1.8 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	5.8 J	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	250.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:26	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/24/2005 21:43	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 21:43	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/24/2005 21:43	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/24/2005 21:43	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 21:43	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 21:43	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/24/2005 21:43	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/24/2005 21:43	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/24/2005 21:43	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/24/2005 21:43	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/24/2005 21:43	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/26/2005 00:48	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102853





# ***Analysis Report***

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

**Lancaster Laboratories Sample No. WW 4588995**

**05-MET-071 Filtered Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 14:30

by ■

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

\*=This limit was used in the evaluation of the final result

AR102854

Lancaster Laboratories Sample No. WW 4588996

05-MET-072 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 13:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-072

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	35.4	1.2	4.0	ug/l	20
07022	Thallium	7440-28-0	65.8	10.0	20.0	ug/l	5
07035	Arsenic	7440-38-2	280.	9.3	20.0	ug/l	5
07036	Selenium	7782-49-2	73.6	9.4	20.0	ug/l	5
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	5
07047	Beryllium	7440-41-7	37.8	0.44	5.0	ug/l	5
07049	Cadmium	7440-43-9	231.	0.97	5.0	ug/l	5
07051	Chromium	7440-47-3	3,890.	4.8	15.0	ug/l	5
07053	Copper	7440-50-8	2,120.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	7,270.	8.4	20.0	ug/l	5
07061	Nickel	7440-02-0	1,590.	5.8	10.0	ug/l	5
07066	Silver	7440-22-4	10.1	2.0	5.0	ug/l	5
07072	Zinc	7440-66-6	81,900.	26.5	100.	ug/l	5
The quantitation limits for the ICP metals were increased due to high amounts of iron in the sample.							
02393	Phenols	n.a.	150.	18.	60.	ug/l	1
08255	Total Cyanide	57-12-5	9.2 J	5.0	10.	ug/l	1
After receipt the pH of this container was adjusted to >12.							
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.72	0.72	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.86	0.86	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102855

**Lancaster Laboratories Sample No. WW 4588996**

**05-MET-072 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 13:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-072

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	5.7	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	20.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	17.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to interfering peaks on the chromatogram from the detected aroclors, the values reported represent the lowest reporting limits obtainable for 4,4-DDE and dieldrin.

Despite numerous cleanup methods, we were unable to reach our usual reporting limits.

07879 EDB

01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
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04678 PPL Semivolatiles

02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102856

Lancaster Laboratories Sample No. WW 4588996

05-MET-072 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 13:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-072

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	19. J	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	11. J	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	120.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	26. J	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	190.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	150.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	96.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	95.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	46. J	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	130.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	40. J	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	86.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	56.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102857

**Lancaster Laboratories Sample No. WW 4588996**
**05-MET-072 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 13:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-072

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
03979	Dibenz(a,h)anthracene	53-70-3	23. J	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	60.	10.	50.	ug/l	1
Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.							
The recovery of 1,2-diphenylhydrazine was above QC limits in the LCSD. Since 1,2-diphenylhydrazine was not detected in the sample, no further action was taken.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	2. J	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	1. J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	0.8 J	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	5. J	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102858

**Lancaster Laboratories Sample No. WW 4588996**
**05-MET-072 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 13:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-072

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	16.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container for this sample was adjusted to &lt;2.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:27	[REDACTED]	20
07022	Thallium	SW-846 6010B	1	08/26/2005 00:53	[REDACTED]	5
07035	Arsenic	SW-846 6010B	1	08/26/2005 00:53	[REDACTED]	5
07036	Selenium	SW-846 6010B	1	08/26/2005 00:53	[REDACTED]	5
07044	Antimony	SW-846 6010B	1	08/26/2005 00:53	[REDACTED]	5
07047	Beryllium	SW-846 6010B	1	08/26/2005 00:53	[REDACTED]	5
07049	Cadmium	SW-846 6010B	1	08/26/2005 00:53	[REDACTED]	5
07051	Chromium	SW-846 6010B	1	08/26/2005 00:53	[REDACTED]	5
07053	Copper	SW-846 6010B	1	08/24/2005 21:47	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/26/2005 00:53	[REDACTED]	5
07061	Nickel	SW-846 6010B	1	08/26/2005 00:53	[REDACTED]	5
07066	Silver	SW-846 6010B	1	08/26/2005 00:53	[REDACTED]	5
07072	Zinc	SW-846 6010B	1	08/26/2005 14:20	[REDACTED]	5

\*=This limit was used in the evaluation of the final result

AR102859

Lancaster Laboratories Sample No. WW 4588996

05-MET-072 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 13:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:28

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-072

02393	Phenols	SW846 9066	1	08/29/2005 12:18	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:39	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 09:03	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/30/2005 10:41	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 21:07	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 19:37	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/23/2005 16:45	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/23/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 19:37	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4588996  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP07159.i/05aug24a.b/ng24s15.d  
 Level: (low/med) LOW      Date Received: 08/22/05  
 % Moisture: not dec.      Date Analyzed: 08/24/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.03	120	J
2.	Unknown aromatic	13.61	7	J
3.	Unknown aromatic	13.88	5	J
4.	Unknown aromatic	13.92	9	J
5.	Unknown aromatic	14.21	9	J
6. 91-20-3	Naphthalene	14.66	9	J
7.				
8.				
9.				
10.				
11.				
12.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102861



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4588996  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: eh0847.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	6.669	220	J
2.149-30-4	!2-Mercaptobenzothiazole	8.272	290	J
3.10544-50-0	!Cyclic octaatomic sulfur	8.720	780	J
4.	!Unknown	9.522	89	J
5.	!Unknown	9.789	210	J
6.	!Unknown	9.944	140	J
7.	!Unknown	10.056	100	J
8.	!Unknown	10.163	91	J
9.	!Unknown Alkane	10.211	93	J
10.	!Unknown	10.318	210	J
11.	!Unknown	10.483	130	J
12.	!Unknown	10.547	210	J
13.	!Unknown	10.638	190	J
14.	!Unknown	10.756	210	J
15.	!Unknown	10.777	200	J
16.	!Unknown	10.857	260	J
17.	!Unknown	11.023	130	J
18.	!Unknown	11.044	150	J
19.	!Unknown	11.098	210	J
20.	!Unknown	11.237	170	J
21.	!Unknown	11.445	340	J
22.	!Unknown	11.707	360	J
23.	!Unknown	11.771	210	J
24.	!Unknown	11.974	190	J
25.	!Unknown	12.049	170	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102862

**Lancaster Laboratories Sample No. WW 4588997**
**05-MET-072 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 13:50

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.31	1.0	ug/l	5
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:29	[REDACTED]	5
07022	Thallium	SW-846 6010B	1	08/24/2005 21:52	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 21:52	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/24/2005 21:52	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/24/2005 21:52	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 21:52	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 21:52	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/24/2005 21:52	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/24/2005 21:52	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/24/2005 21:52	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/24/2005 21:52	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/24/2005 21:52	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/26/2005 00:58	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102863



# ***Analysis Report***

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

**Lancaster Laboratories Sample No. WW 4588997**

**05-MET-072 Filtered Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 13:50

by ■

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

\*=This limit was used in the evaluation of the final result

AR102864

**Lancaster Laboratories Sample No. WW 4588998**

**EB082205W Equipment Blank Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 13:20

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WEB22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	5.0 J	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0097	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.039	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0097	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0097	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0097	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0097	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0039	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0097	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0039	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.068	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.97	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0039	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0097	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.097	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.097	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.097	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.097	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102865

**Lancaster Laboratories Sample No. WW 4588998**
**EB082205W Equipment Blank Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 13:20

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WEB22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.097	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.14	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.097	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.097	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0098	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102866

**Lancaster Laboratories Sample No. WW 4588998**
**EB082205W Equipment Blank Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 13:20

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WEB22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1

The recovery of 1,2-diphenylhydrazine was above QC limits in the LCSD. Since 1,2-diphenylhydrazine was not detected in the sample, no further action was taken.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102867

Lancaster Laboratories Sample No. WW 4588998

EB082205W Equipment Blank Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 13:20

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WEB22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,1,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

\*=This limit was used in the evaluation of the final result

AR102868

**Lancaster Laboratories Sample No. WW 4588998**
**EB082205W Equipment Blank Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 13:20

by [REDACTED]

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WEB22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/27/2005 08:30	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/24/2005 21:57	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/24/2005 21:57	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/24/2005 21:57	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/24/2005 21:57	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/24/2005 21:57	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/24/2005 21:57	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/24/2005 21:57	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/24/2005 21:57	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/24/2005 21:57	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/24/2005 21:57	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/24/2005 21:57	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/26/2005 01:03	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/29/2005 12:19	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:40	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 09:24	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/30/2005 11:11	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/25/2005 21:28	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 20:00	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/23/2005 16:45	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/23/2005 23:15	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 20:00	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/24/2005 03:20	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/26/2005 20:15	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/26/2005 15:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102869





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8

Lancaster Laboratories Sample No. WW 4588998

EB082205W Equipment Blank Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 13:20

by

Account Number: 11549

Submitted: 08/22/2005 18:07

Reported: 09/07/2005 at 11:29

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WEB22

08256 Cyanide Water Distillation SW-846 9012A

1 08/24/2005 10:40

1

\*=This limit was used in the evaluation of the final result

AR102870

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! WEB22 !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4588998	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP07159.i/05aug24a.b/ng24s16.d	
% Moisture: not dec.	Date Received: 08/22/05	
Column: (pack/cap) CAP	Date Analyzed: 08/24/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102871

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4588998  
 Sample wt/vol: 1050 (g/mL) mL Lab File ID: eh0848.d  
 Level: (low/med) LOW Date Received: 08/22/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/23/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/25/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 9 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	2.636	5	J
2.10544-50-0	Cyclic octaatomic sulfur	6.664	4	J
3.	Unknown	10.596	4	J
4.	Unknown	10.793	3	J
5.	Unknown	10.900	4	J
6.	Unknown	11.060	5	J
7.	Unknown	11.119	6	J
8.	Unknown	11.237	6	J
9.	Unknown	11.311	6	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102872

**Lancaster Laboratories Sample No. WW 4588999**

**TB082205W Trip Blank Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005

Account Number: 11549

Submitted: 08/22/2005 18:07

Montgomery Watson Harza

Reported: 09/07/2005 at 11:30

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

WTB22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102873

Lancaster Laboratories Sample No. WW 4588999

TB082205W Trip Blank Water Sample

Former Metro Container Investigation

Collected: 08/22/2005

Account Number: 11549

Submitted: 08/22/2005 18:07

Montgomery Watson Harza

Reported: 09/07/2005 at 11:30

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

WTB22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/30/2005 11:42		1
07582	PPL Volatiles	SW-846 8260B	1	08/24/2005 20:23		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2005 20:23		n.a.
07786	EDB Extraction	SW-846 8011	1	08/24/2005 13:15		1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4588999	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP07159.i/05aug24a.b/ng24s17.d	
Level: (low/med) LOW	Date Received: 08/22/05	
% Moisture: not dec.	Date Analyzed: 08/24/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102875

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 11:30 AM

Group Number: 956371

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 052350005A	Sample number(s): 4588978, 4588982, 4588984, 4588986, 4588989, 4588992, 4588994, 4588996, 4588998								
Alpha BHC	N.D.	0.0020	0.010	ug/l	98	99	56-122	1	20
Beta BHC	N.D.	0.012	0.040	ug/l	110	110	64-143	0	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	100	100	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	95	95	41-155	0	20
Heptachlor	N.D.	0.0020	0.010	ug/l	96	95	45-130	1	20
Aldrin	N.D.	0.0050	0.020	ug/l	82	79	47-122	4	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	100	100	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	90	90	44-154	0	20
p,p-DDD	N.D.	0.0060	0.020	ug/l	95	95	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	80	85	47-159	6	20
Dieldrin	N.D.	0.010	0.030	ug/l	100	100	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	100	100	62-135	0	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	100	100	66-131	0	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	100	105	56-140	5	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	100	100	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	97	98	49-155	1	20
Batch number: 052350022A	Sample number(s): 4588976, 4588978, 4588980, 4588982, 4588984, 4588986, 4588988-4588989, 4588991-4588992, 4588994, 4588996, 4588998-4588999								
Ethylene dibromide	N.D.	0.010	0.030	ug/l	92	96	60-140	4	20
Batch number: 05235WAC026	Sample number(s): 4588976, 4588978, 4588980, 4588982, 4588986, 4588989, 4588992, 4588994, 4588996, 4588998								
1,4-Dioxane	N.D.	1.	5.	ug/l	64	66	43-73	4	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	92	95	65-107	4	30
2-Chlorophenol	N.D.	1.	5.	ug/l	85	86	63-112	2	30
Phenol	N.D.	1.	5.	ug/l	53	55	29-57	3	30
2-Nitrophenol	N.D.	1.	5.	ug/l	105	104	83-119	1	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	92	92	60-107	0	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	93	94	66-110	2	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	96	99	48-114	3	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 11:30 AM

Group Number: 956371

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	98	102	69-111	4	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	84	75	44-130	10	30
4-Nitrophenol	N.D.	10.	30.	ug/l	41	41	16-75	1	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	110	106	56-130	4	30
Pentachlorophenol	N.D.	3.	15.	ug/l	89	86	48-108	4	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	77	79	39-84	3	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	97	100	57-110	3	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	81	84	52-102	4	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	83	84	54-103	2	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	80	84	58-99	5	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	99	102	68-133	3	30
Hexachloroethane	N.D.	1.	5.	ug/l	86	86	33-106	1	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	103	107	56-109	4	30
Nitrobenzene	N.D.	1.	5.	ug/l	107	109	61-111	1	30
Isophorone	N.D.	1.	5.	ug/l	101	103	63-105	2	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	114	114	69-119	0	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	90	90	62-101	0	30
Naphthalene	N.D.	1.	5.	ug/l	86	87	70-102	1	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	93	92	33-118	1	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	114	119	14-169	4	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	76	78	56-100	3	30
Acenaphthylene	N.D.	1.	5.	ug/l	101	103	65-120	1	30
Dimethylphthalate	N.D.	2.	5.	ug/l	87	89	46-109	2	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	91	97	70-108	6	30
Acenaphthene	N.D.	1.	5.	ug/l	82	85	68-111	4	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	98	98	75-122	0	30
Fluorene	N.D.	1.	5.	ug/l	89	89	61-116	1	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	89	93	65-110	5	30
Diethylphthalate	N.D.	2.	5.	ug/l	84	87	61-110	3	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	106	110*	62-106	4	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	101	103	63-104	2	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	96	98	67-110	2	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	90	90	68-113	0	30
Phenanthrene	N.D.	1.	5.	ug/l	91	92	68-111	1	30
Anthracene	N.D.	1.	5.	ug/l	90	91	68-108	1	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	91	93	63-113	2	30
Fluoranthene	N.D.	1.	5.	ug/l	93	92	66-108	1	30
Pyrene	N.D.	1.	5.	ug/l	92	93	68-114	1	30
Benzidine	N.D.	20.	60.	ug/l	98	96	20-134	2	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	89	90	63-120	1	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	94	95	72-112	2	30
Chrysene	N.D.	1.	5.	ug/l	94	95	70-111	1	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	105	102	39-116	3	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	87	89	62-126	3	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	95	99	58-118	4	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	99	103	67-117	4	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	90	94	67-120	4	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	98	104	68-121	5	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	101	105	67-122	4	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	108	112	71-129	4	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	101	106	67-121	5	30

Batch number: 05236117101A

Total Cyanide

Sample number(s): 4588978,4588980,4588982,4588984,4588986

0.0059 J 0.0050 0.010 mg/l 100 90-110

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 11:30 AM

Group Number: 956371

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 05236117101B Total Cyanide	0.0059 J	0.0050	0.010	mg/l	100		90-110		
Batch number: 05236120102A Phenols	N.D.	0.0090	0.030	mg/l	98	96	83-108	1	20
Batch number: 052361848001 Thallium	N.D.	0.0100	0.0200	mg/l	101		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	106		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	100		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	102		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	105		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	104		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	101		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	105		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	101		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	101		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	108		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	102		90-112		
Batch number: 052361848004 Thallium	N.D.	0.0100	0.0200	mg/l	101		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	106		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	99		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	101		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	104		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	104		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	100		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	102		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	101		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	99		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	105		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	100		90-112		
Batch number: 052365713003 Mercury	N.D.	0.00006	0.00020	mg/l	107		80-120		
Batch number: 05238120101A Phenols	N.D.	0.0090	0.030	mg/l	99	98	83-108	1	20
Batch number: 052385713004 Mercury	N.D.	0.00006	0.00020	mg/l	102		80-120		
Batch number: 052390007A Alpha BHC	N.D.	0.0020	0.010	ug/l	81	78	56-122	4	20
Beta BHC	N.D.	0.012	0.040	ug/l	82	80	64-143	2	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	82	79	65-144	4	20
Delta BHC	N.D.	0.0038	0.010	ug/l	80	78	41-155	3	20
Heptachlor	N.D.	0.0020	0.010	ug/l	75	73	45-130	3	20
Aldrin	N.D.	0.0050	0.020	ug/l	76	73	47-122	4	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	85	83	73-141	2	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	81	76	44-154	6	20

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 11:30 AM

Group Number: 956371

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
p,p-DDD	N.D.	0.0060	0.020	ug/l	81	81	42-155	0	20
p,p-DDT	N.D.	0.0060	0.020	ug/l	75	75	47-159	0	20
Dieldrin	N.D.	0.010	0.030	ug/l	85	85	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	80	80	62-135	0	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	81	81	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	86	84	66-131	2	20
Endosulfan Sulfate	N.D.	0.0060	0.020	ug/l	86	81	56-140	6	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	81	81	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	77	76	49-155	1	20
Batch number: 05239WAD026 Sample number(s): 4588984									
1,4-Dioxane	N.D.	1.	5.	ug/l	70		43-73		
1-Methylnaphthalene	N.D.	1.	5.	ug/l	94		65-107		
2-Chlorophenol	N.D.	1.	5.	ug/l	88		63-112		
Phenol	N.D.	1.	5.	ug/l	57		29-57		
2-Nitrophenol	N.D.	1.	5.	ug/l	107		83-119		
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	96		60-107		
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	97		66-110		
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	100		48-114		
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	99		69-111		
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	87		44-130		
4-Nitrophenol	N.D.	10.	30.	ug/l	40		16-75		
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	108		56-130		
Pentachlorophenol	N.D.	3.	15.	ug/l	87		48-108		
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	77		39-84		
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	100		57-110		
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	73		52-102		
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	73		54-103		
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	73		58-99		
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	103		68-133		
Hexachloroethane	N.D.	1.	5.	ug/l	67		33-106		
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	106		56-109		
Nitrobenzene	N.D.	1.	5.	ug/l	109		61-111		
Isophorone	N.D.	1.	5.	ug/l	105		63-105		
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	119		69-119		
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	85		62-101		
Naphthalene	N.D.	1.	5.	ug/l	87		70-102		
Hexachlorobutadiene	N.D.	1.	5.	ug/l	74		33-118		
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	78		14-169		
2-Chloronaphthalene	N.D.	1.	5.	ug/l	75		56-100		
Acenaphthylene	N.D.	1.	5.	ug/l	101		65-120		
Dimethylphthalate	N.D.	2.	5.	ug/l	88		46-109		
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	97		70-108		
Acenaphthene	N.D.	1.	5.	ug/l	84		68-111		
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	99		75-122		
Fluorene	N.D.	1.	5.	ug/l	88		61-116		

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 11:30 AM

Group Number: 956371

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	94		65-110		
Diethylphthalate	N.D.	2.	5.	ug/l	88		61-110		
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	106		62-106		
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	101		63-104		
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	98		67-110		
Hexachlorobenzene	N.D.	1.	5.	ug/l	90		68-113		
Phenanthrene	N.D.	1.	5.	ug/l	91		68-111		
Anthracene	N.D.	1.	5.	ug/l	91		68-108		
Di-n-butylphthalate	N.D.	2.	5.	ug/l	95		63-113		
Fluoranthene	N.D.	1.	5.	ug/l	93		66-108		
Pyrene	N.D.	1.	5.	ug/l	93		68-114		
Benzidine	N.D.	20.	60.	ug/l	97		20-134		
Butylbenzylphthalate	N.D.	2.	5.	ug/l	92		63-120		
Benzo(a)anthracene	N.D.	1.	5.	ug/l	95		72-112		
Chrysene	N.D.	1.	5.	ug/l	94		70-111		
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	104		39-116		
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	93		62-126		
Di-n-octylphthalate	N.D.	2.	5.	ug/l	103		58-118		
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	98		67-117		
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	93		67-120		
Benzo(a)pyrene	N.D.	1.	5.	ug/l	98		68-121		
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	97		67-122		
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	104		71-129		
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	97		67-121		
Batch number: N052361AA									
Sample number(s): 4588976,4588978,4588980,4588982,4588984,4588986,4588988-4588989,4588991-4588992,4588994,4588996,4588998-4588999									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	103	105	77-127	2	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	101	128	57-141	23	30
Chloromethane	N.D.	1.	5.	ug/l	97	110	59-177	12	30
Vinyl Chloride	N.D.	1.	5.	ug/l	105	117	71-134	11	30
Bromomethane	N.D.	1.	5.	ug/l	104	86	62-131	19	30
Chloroethane	N.D.	1.	5.	ug/l	88	97	67-127	9	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	108	122	70-148	13	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	106	109	79-130	3	30
Methylene Chloride	N.D.	2.	5.	ug/l	102	104	80-128	2	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	103	104	81-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	107	109	83-127	2	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	102	106	84-117	4	30
Chloroform	N.D.	0.8	5.	ug/l	106	108	86-124	2	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	104	105	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	101	103	77-130	2	30
Benzene	N.D.	0.5	5.	ug/l	106	108	85-117	1	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	112	112	77-132	0	30
Trichloroethene	N.D.	1.	5.	ug/l	103	106	87-117	3	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	107	107	80-117	0	30
Bromodichloromethane	N.D.	1.	5.	ug/l	100	102	83-121	2	30
Toluene	N.D.	0.7	5.	ug/l	105	107	85-115	1	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	104	104	86-113	0	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	99	98	74-125	1	30
Dibromochloromethane	N.D.	1.	5.	ug/l	100	100	78-119	0	30
Chlorobenzene	N.D.	0.8	5.	ug/l	103	104	85-115	2	30
Ethylbenzene	N.D.	0.8	5.	ug/l	105	106	82-119	2	30
Bromoform	N.D.	1.	5.	ug/l	85	84	69-118	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	103	104	72-119	2	30

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 11:30 AM

Group Number: 956371

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	98	97	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	101	100	78-114	1	30
Xylene (Total)	N.D.	0.8	5.	ug/l	103	105	83-113	2	30
Acrylonitrile	N.D.	4.	20.	ug/l	107	106	55-137	0	30
Acrolein	N.D.	40.	100.	ug/l	100	100	28-146	0	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	107	108	53-133	1	30

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052350022A	Sample number(s): 4588976,4588978,4588980,4588982,4588984,4588986,4588988-4588989,4588991-4588992,4588994,4588996,4588998-4588999							
Ethylene dibromide	95		65-135		N.D.	N.D.	0 (1)	30
Batch number: 05236117101A	Sample number(s): 4588978,4588980,4588982,4588984,4588986							
Total Cyanide	90		82-114		N.D.	N.D.	29* (1)	20
Batch number: 05236117101B	Sample number(s): 4588989,4588992,4588994,4588996,4588998							
Total Cyanide	102		82-114		N.D.	N.D.	14 (1)	20
Batch number: 052361848001	Sample number(s): 4588977-4588987,4588989-4588990,4588992-4588998							
Thallium	103	100	89-112	2	20	N.D.	107* (1)	20
Arsenic	109	107	86-119	3	20	N.D.	2 (1)	20
Selenium	102	101	75-125	2	20	N.D.	131* (1)	20
Antimony	104	102	75-125	2	20	N.D.	41* (1)	20
Beryllium	107	104	91-117	3	20	N.D.	100* (1)	20
Cadmium	105	102	87-117	3	20	N.D.	67* (1)	20
Chromium	102	99	86-118	3	20	N.D.	1200* (1)	20
Copper	107	104	89-119	3	20	N.D.	57* (1)	20
Lead	104	101	87-118	3	20	N.D.	42* (1)	20
Nickel	101	99	91-111	2	20	0.0119	9 (1)	20
Silver	111	109	75-125	2	20	N.D.	30* (1)	20
Zinc	101	101	80-120	1	20	0.0056 J	15 (1)	20
Batch number: 052361848004	Sample number(s): 4588976							
Thallium	100	96	89-112	4	20	N.D.	173* (1)	20
Arsenic	106	101	86-119	5	20	N.D.	9 (1)	20
Selenium	99	95	75-125	4	20	N.D.	36* (1)	20
Antimony	101	92	75-125	9	20	N.D.	143* (1)	20
Beryllium	103	98	91-117	5	20	N.D.	10 (1)	20
Cadmium	103	101	87-117	3	20	N.D.	21* (1)	20
Chromium	101	96	86-118	5	20	N.D.	15 (1)	20
Copper	100	96	89-119	4	20	N.D.	13 (1)	20
Lead	99	95	87-118	4	20	N.D.	57* (1)	20
Nickel	98	95	91-111	4	20	N.D.	129* (1)	20
Silver	105	27*	75-125	118*	20	N.D.	20 (1)	20
Zinc	97	93	80-120	3	20	N.D.	53* (1)	20
Batch number: 052365713003	Sample number(s): 4588976-4588979							
Mercury	110	113	80-120	3	20	N.D.	56* (1)	20

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 11:30 AM

Group Number: 956371

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Analysis Name								Max
Batch number: 052385713004	Sample number(s): 4588980-4588987, 4588989-4588990, 4588992-4588998							
Mercury	109	105	80-120	4	20	N.D.	N.D.	18 (1) 20
Batch number: 05239WAD026	Sample number(s): 4588984							
1,4-Dioxane	50	65	42-74	26	30			
1-Methylnaphthalene	71*	106*	76-99	28	30			
2-Chlorophenol	60*	72	65-111	19	30			
Phenol	34	41	1-99	19	30			
2-Nitrophenol	84	107	47-148	24	30			
2,4-Dimethylphenol	20*	24*	47-121	18	30			
2,4-Dichlorophenol	61*	76	68-113	22	30			
4-Chloro-3-methylphenol	42*	50	47-132	17	30			
2,4,6-Trichlorophenol	57	70	13-151	20	30			
2,4-Dinitrophenol	59	74	20-151	23	30			
4-Nitrophenol	34	41	10-95	20	30			
4,6-Dinitro-2-methylphenol	80	104	18-140	26	30			
Pentachlorophenol	54	68	14-130	22	30			
N-Nitrosodimethylamine	58	74*	48-72	24	30			
bis(2-Chloroethyl)ether	78	98	38-128	22	30			
1,3-Dichlorobenzene	57*	73	59-101	24	30			
1,4-Dichlorobenzene	61	78	58-103	24	30			
1,2-Dichlorobenzene	59*	76	61-98	25	30			
bis(2-Chloroisopropyl)ether	78	103	71-130	28	30			
Hexachloroethane	55	68	31-123	21	30			
N-Nitroso-di-n-propylamine	86	107	46-122	22	30			
Nitrobenzene	85	110	41-134	25	30			
Isophorone	79	103*	72-97	26	30			
bis(2-Chloroethoxy)methane	91	117*	80-110	25	30			
1,2,4-Trichlorobenzene	66*	88	67-102	28	30			
Naphthalene	83	149*	63-112	32*	30			
Hexachlorobutadiene	60	78	39-118	27	30			
Hexachlorocyclopentadiene	63	85	5-192	30	30			
2-Chloronaphthalene	60	74	57-92	21	30			
Acenaphthylene	80*	102	82-120	23	30			
Dimethylphthalate	43	50	2-147	16	30			
2,6-Dinitrotoluene	76	95	42-135	22	30			
Acenaphthene	51*	94	68-117	25	30			
2,4-Dinitrotoluene	75	98	43-147	26	30			
Fluorene	61*	93	66-112	25	30			
4-Chlorophenyl-phenylether	74	93	62-113	23	30			
Diethylphthalate	60	73	39-128	19	30			
1,2-Diphenylhydrazine	83	108	63-111	26	30			
N-Nitrosodiphenylamine	82	105	64-127	25	30			
4-Bromophenyl-phenylether	75	96	64-113	25	30			
Hexachlorobenzene	70	89	62-117	23	30			
Phenanthrene	68	93	56-125	25	30			
Anthracene	71*	93	74-106	26	30			
Di-n-butylphthalate	74	95	62-111	25	30			
Fluoranthene	72	93	61-112	25	30			
Pyrene	77	96	63-117	23	30			
Benzidine	65	79	20-126	20	30			
Butylbenzylphthalate	74	92	61-114	21	30			
Benzo(a)anthracene	76	96	72-112	23	30			

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 11:30 AM

Group Number: 956371

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Chrysene	73	95	71-111	26	30			
3,3'-Dichlorobenzidine	76	93	7-136	20	30			
bis(2-Ethylhexyl)phthalate	78	97	61-118	20	30			
Di-n-octylphthalate	84	104	55-119	21	30			
Benzo(b)fluoranthene	78	94	65-120	18	30			
Benzo(k)fluoranthene	71	92	68-117	25	30			
Benzo(a)pyrene	78	95	70-115	20	30			
Indeno(1,2,3-cd)pyrene	76	94	69-118	21	30			
Dibenz(a,h)anthracene	82	101	73-126	21	30			
Benzo(g,h,i)perylene	75	95	69-122	24	30			

Batch number: N052361AA

Sample number(s): 4588976,4588978,4588980,4588982,4588984,4588986,4588988-4588989,4588991-4588992,4588994,4588996,4588998-4588999

Methyl Tertiary Butyl Ether	99	69-134
t-Butyl alcohol	111	51-147
Chloromethane	106	72-208
Vinyl Chloride	116	81-150
Bromomethane	108	59-143
Chloroethane	114	63-142
Trichlorofluoromethane	137	77-177
1,1-Dichloroethene	102	87-145
Methylene Chloride	102	79-133
trans-1,2-Dichloroethene	109	82-133
1,1-Dichloroethane	110	85-135
cis-1,2-Dichloroethene	106	83-126
Chloroform	54*	82-131
1,1,1-Trichloroethane	88	81-142
Carbon Tetrachloride	-159*	79-155
Benzene	112	83-128
1,2-Dichloroethane	114	73-136
Trichloroethene	113	83-136
1,2-Dichloropropane	111	83-129
Bromodichloromethane	100	80-129
Toluene	110	83-127
1,1,2-Trichloroethane	103	77-125
Tetrachloroethene	99	78-133
Dibromochloromethane	88	73-119
Chlorobenzene	104	83-120
Ethylbenzene	109	82-129
Bromoform	61*	64-119
1,1,2,2-Tetrachloroethane	100	69-121
trans-1,3-Dichloropropene	75	75-117
cis-1,3-Dichloropropene	83	76-117
Xylene (Total)	106	82-130
Acrylonitrile	91	54-132
Acrolein	85	21-153
2-Chloroethyl Vinyl Ether	0*	1-172

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 11:30 AM

Group Number: 956371

### Surrogate Quality Control

Batch number: 052350005A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4588978	95	99
4588982	99	122
4588984	75	65
4588986	97	73
4588989	112	478*
4588992	99	131
4588994	107	135
4588996	102	65
4588998	101	118
Blank	95	109
LCS	98	111
LCSD	98	111

Limits: 45-125 47-155

Analysis Name: EDB in Wastewater

Batch number: 052350022A

	1,1,2,2-Tetrachloroethane
4588976	79
4588978	78
4588980	82
4588982	73
4588984	74
4588986	75
4588988	79
4588989	81
4588991	82
4588992	75
4588994	79
4588996	81
4588998	83
4588999	85
Blank	100
DUP	92
LCS	93
LCSD	87
MS	84

Limits: 52-120

Analysis Name: TCL SW846 Semivolatiles/Waters

Batch number: 05235WAC026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4588976	59	40	84	109
4588978	74	49	102	126*
4588980	59	40	82	106
4588982	57	38	84	109
4588986	82	53	132	79
4588989	64	41	85	110
4588992	57	37	79	108
4588994	64	44	90	110
4588996	60	40	84	108

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 11:30 AM

Group Number: 956371

### Surrogate Quality Control

4588998	64	39	88	110
Blank	66	43	87	115
LCS	65	44	89	113
LCSD	68	45	88	113

Limits:	10-99	10-80	31-148	51-123
---------	-------	-------	--------	--------

2-Fluorobiphenyl	Terphenyl-d14
------------------	---------------

4588976	94	86
4588978	110	107
4588980	88	98
4588982	94	92
4588986	69	72
4588989	92	96
4588992	88	98
4588994	96	101
4588996	93	96
4588998	96	104
Blank	94	99
LCS	93	100
LCSD	96	102

Limits:	64-112	52-151
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Analysis Name: PPL Pesticides in Water  
Batch number: 052390007A

Tetrachloro-m-xylene	Decachlorobiphenyl
----------------------	--------------------

4588980	55	51
Blank	78	91
LCS	71	67
LCSD	68	69

Limits:	45-125	47-155
---------	--------	--------

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05239WAD026

2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
----------------	-----------	----------------------	-----------------

4588984	53	38	80	95
Blank	64	43	90	110
LCS	69	47	88	115
MS	40	27	50	89
MSD	49	34	62	115

Limits:	10-99	10-80	31-148	51-123
---------	-------	-------	--------	--------

2-Fluorobiphenyl	Terphenyl-d14
------------------	---------------

4588984	70	90
Blank	90	104
LCS	95	104
MS	74	72
MSD	96	88

Limits:	64-112	52-151
---------	--------	--------

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 11:30 AM

Group Number: 956371

### Surrogate Quality Control

Analysis Name: PPL + Xylene (total) by 8260

Batch number: N052361AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4588976	102	105	111	107
4588978	102	105	110	107
4588980	102	105	111	107
4588982	103	104	112	108
4588984	103	105	111	108
4588986	103	105	111	107
4588988	102	105	111	108
4588989	104	104	111	107
4588991	103	103	112	109
4588992	104	102	112	109
4588994	102	103	111	109
4588996	103	103	112	109
4588998	103	102	112	109
4588999	103	102	112	109
Blank	102	103	111	107
LCS	105	106	111	109
LCSD	104	107	111	109
MS	104	104	112	110
Limits:	81-120	82-112	85-112	83-113

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



**For Lancaster Laboratories use only**

Group No.: 996371

Sample Nos.: 4588976-99

Acct No.: 11549

SCR No.:

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Matrix: <u></u>		Analyses Requested										Remarks:											
Project Manager: <u></u>		Quote #: <u></u>																									
Project Name/#: <u>Former Metro Container Investigation</u>																											
Sampler: <u></u>																											
P.O. #: <u></u>																											
Name of state where samples were collected: <u>PA</u>																											
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs - MTBE, TBA	VOC TICs - 15	EDS (80:1:1)	PPL SVOAs + 1-MN	SVDA TICs - 25	PPL Metals (total)	PPL Metals (filtered)	PPL Pesticides	Phenol	Cyanide									
05-MET-040	8/24/05	0800	X			X			X					X				X									
05-MET-044		0900				X			X								X										
05-MET-044A		0930				X			X								X										
05-MET-048		1000				X			X								X										
05-MET-050		1030				X			X								X										
05-MET-045		1130				X			X								X										
05-MET-128		1330				X			X								X										
05-MET-129		1400				X			X								X										
05-MET-074		1500				X			X								X										
05-MET-075		1530				X			X								X										
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush												Date: <u>8/24/05</u> Time: <u>1600</u>		Received by: <u></u>		Date: <u>8/24/05</u> Time: <u>16:00</u>											
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)																											
Date results are needed: <u></u>												Date: <u>8/24/05</u> Time: <u>18:07</u>		Received by: <u></u>		Date: <u>8/24/05</u> Time: <u></u>											
Rush results requested by (please circle): Fax Email																											
Fax #: <u></u> Email address: <u></u>																											
Data Package Options (please circle if required)												Date: <u></u> Time: <u></u>		Received by: <u></u>		Date: <u></u> Time: <u></u>											
QC Summary																											
Type I (Tier I)																											
Type II (Tier II)																											
Type III (NJ Reduced Del.)																											
Type IV (CLP)																											
Type V (Raw Data)																											
GLP																											
Other: <u></u>																											
SDG Complete ? Yes No																											
Site specific QC required? Yes No																											
(if yes, indicate QC sample and submit triplicate volume.)																											
Internal chain of custody required? Yes No																											
Relinquished by: <u></u>												Date: <u></u> Time: <u></u>		Received by: <u></u>		Date: <u></u> Time: <u></u>											
Relinquished by: <u></u>																											
Relinquished by: <u></u>												Date: <u></u> Time: <u></u>		Received by: <u></u>		Date: <u></u> Time: <u></u>											

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR102887





# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 956536. Samples arrived at the laboratory on Tuesday, August 23, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-052 Grab Soil Sample	4589750
05-MET-055 Grab Soil Sample	4589751
05-MET-054 Grab Soil Sample	4589752
05-MET-053 Grab Soil Sample	4589753
05-MET-041 Grab Soil Sample	4589754
05-MET-046 Grab Soil Sample	4589755
05-MET-056 Grab Soil Sample	4589756
05-MET-056S Grab Soil Sample	4589757
05-MET-052V Grab Soil Sample	4589758
05-MET-133 Grab Soil Sample	4589759
05-MET-134 Grab Soil Sample	4589760
05-MET-135 Grab Soil Sample	4589761
EB082305S Equipment Blank Water Sample	4589762
TB082305S Trip Blank Methanol Sample	4589763

1 COPY TO

Montgomery Watson Harza

Attn: [REDACTED]

Questions? Contact your Client Services Representative

[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Group Leader

**Lancaster Laboratories Sample No. SW 4589750**
**05-MET-052 Grab Soil Sample**
**N(4'-4.5')**
**Former Metro Container Investigation**

Collected: 08/23/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:02

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-052

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	7.61	0.0766	2.87	mg/kg	20
06925	Thallium	7440-28-0	12.3	1.45	3.01	mg/kg	1
06935	Arsenic	7440-38-2	34.6	1.01	3.01	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.45	3.01	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.24	3.01	mg/kg	1
06947	Beryllium	7440-41-7	0.628 J	0.0648	0.753	mg/kg	1
06949	Cadmium	7440-43-9	1.85	0.130	0.753	mg/kg	1
06951	Chromium	7440-47-3	1,320.	0.799	2.26	mg/kg	1
06953	Copper	7440-50-8	410.	0.452	1.51	mg/kg	1
06955	Lead	7439-92-1	240.	1.18	3.01	mg/kg	1
06961	Nickel	7440-02-0	150.	0.497	1.51	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.286	0.753	mg/kg	1
06972	Zinc	7440-66-6	644.	0.693	3.01	mg/kg	1
00111	Moisture	n.a.	34.3	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.27	0.75	mg/kg	1
05912	Phenols	n.a.	N.D.	1.8	5.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00647	0.0316	mg/kg	25
01219	Heptachlor	76-44-8	N.D.	0.00647	0.0316	mg/kg	25
01220	Aldrin	309-00-2	N.D.	0.00647	0.0316	mg/kg	25
01221	p,p-DDT	50-29-3	0.0258 J	0.0126	0.0647	mg/kg	25
01222	Dieldrin	60-57-1	N.D.	0.0126	0.0647	mg/kg	25
01223	Endrin	72-20-8	N.D.	0.0126	0.0647	mg/kg	25
01859	Methoxychlor	72-43-5	N.D.	0.0647	0.316	mg/kg	25
01981	Alpha BHC	319-84-6	0.0192 J	0.00647	0.0316	mg/kg	25
01982	Beta BHC	319-85-7	0.00907 J	0.00647	0.0316	mg/kg	25
01983	Delta BHC	319-86-8	N.D.	0.00799	0.0316	mg/kg	25
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0316	0.0316	mg/kg	25
01985	p,p-DDE	72-55-9	0.121	0.0126	0.0647	mg/kg	25
01986	p,p-DDD	72-54-8	0.167	0.0126	0.0647	mg/kg	25
01987	Chlordane	57-74-9	N.D.	0.152	0.647	mg/kg	25
01988	Toxaphene	8001-35-2	N.D.	0.419	1.26	mg/kg	25
01989	Endosulfan I	959-98-8	N.D.	0.00647	0.0316	mg/kg	25
01990	Endosulfan II	33213-65-9	N.D.	0.0126	0.0647	mg/kg	25
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0126	0.0647	mg/kg	25
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0126	0.0647	mg/kg	25

\*=This limit was used in the evaluation of the final result

AR102893



Lancaster Laboratories Sample No. SW 4589750

05-MET-052 Grab Soil Sample

N(4'-4.5')

Former Metro Container Investigation

Collected: 08/23/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:02

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-052

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.282	0.647	mg/kg	25
01994	PCB-1221	11104-28-2	N.D.	0.126	0.647	mg/kg	25
01995	PCB-1232	11141-16-5	N.D.	0.183	0.647	mg/kg	25
01996	PCB-1242	53469-21-9	N.D.	0.114	0.647	mg/kg	25
01997	PCB-1248	12672-29-6	N.D.	0.419	1.26	mg/kg	25
01998	PCB-1254	11097-69-1	N.D.	0.126	0.647	mg/kg	25
01999	PCB-1260	11096-82-5	N.D.	0.419	1.26	mg/kg	25

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for heptachlor epoxide.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.15	0.51	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.051	0.25	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.051	0.25	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.051	0.25	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.051	0.25	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.051	0.25	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.10	0.25	mg/kg	1
01191	Acenaphthene	83-32-9	0.060 J	0.051	0.25	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.25	0.76	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.10	0.25	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.25	0.76	mg/kg	1
01195	Pyrene	129-00-0	0.93	0.051	0.25	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.051	0.25	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.051	0.25	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.15	0.25	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.051	0.25	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.051	0.25	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	1.0	3.0	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.25	0.76	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.10	0.25	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.051	0.25	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.051	0.25	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.051	0.25	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.051	0.25	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.051	0.25	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102894

**Lancaster Laboratories Sample No. SW 4589750**
**05-MET-052 Grab Soil Sample**
**N(4'-4.5')**
**Former Metro Container Investigation**

Collected: 08/23/2005 07:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:02

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-052

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method	Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.		0.051	0.25	mg/kg	1
03759	Isophorone	78-59-1	N.D.		0.051	0.25	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.		0.051	0.25	mg/kg	1
03761	Naphthalene	91-20-3	0.056 J		0.051	0.25	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.		0.10	0.25	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.		0.25	0.76	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.		0.051	0.25	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.		0.051	0.25	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.		0.10	0.25	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.		0.051	0.25	mg/kg	1
03768	Fluorene	86-73-7	0.14 J		0.051	0.25	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.		0.051	0.25	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.		0.10	0.25	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.		0.051	0.25	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.		0.051	0.25	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.								
03773	4-Bromophenyl-phenylether	101-55-3	N.D.		0.051	0.25	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.		0.051	0.25	mg/kg	1
03775	Phenanthrene	85-01-8	0.92		0.051	0.25	mg/kg	1
03776	Anthracene	120-12-7	0.25 J		0.051	0.25	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.		0.10	0.25	mg/kg	1
03778	Fluoranthene	206-44-0	1.1		0.051	0.25	mg/kg	1
03779	Benzidine	92-87-5	N.D.		1.0	3.0	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.		0.10	0.25	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.33		0.051	0.25	mg/kg	1
03782	Chrysene	218-01-9	0.31		0.051	0.25	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.		0.15	0.51	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		0.10	0.51	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.		0.10	0.25	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.24 J		0.051	0.25	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.11 J		0.051	0.25	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.15 J		0.051	0.25	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.071 J		0.051	0.25	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.		0.051	0.25	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.090 J		0.051	0.25	mg/kg	1

The GC/MS semivolatile surrogate recoveries were outside of QC limits. The matrix spike and matrix spike duplicate samples were analyzed and surrogate recoveries were again outside of QC limits, indicating a matrix effect.

\*=This limit was used in the evaluation of the final result

AR102895

Lancaster Laboratories Sample No. SW 4589750

05-MET-052 Grab Soil Sample

N(4'-4.5')

Former Metro Container Investigation

Collected: 08/23/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:02

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-052

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.009	mg/kg	1.15
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0009	0.009	mg/kg	1.15
02020	t-Butyl alcohol	75-65-0	N.D.	0.035	0.18	mg/kg	1.15
05444	Chloromethane	74-87-3	N.D.	0.004	0.009	mg/kg	1.15
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.009	mg/kg	1.15
05446	Bromomethane	74-83-9	N.D.	0.004	0.009	mg/kg	1.15
05447	Chloroethane	75-00-3	N.D.	0.004	0.009	mg/kg	1.15
05448	Trichlorofluoromethane	75-69-4	N.D.	0.004	0.009	mg/kg	1.15
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.009	mg/kg	1.15
05450	Methylene Chloride	75-09-2	N.D.	0.004	0.009	mg/kg	1.15
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.009	mg/kg	1.15
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.009	mg/kg	1.15
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.009	mg/kg	1.15
05455	Chloroform	67-66-3	N.D.	0.002	0.009	mg/kg	1.15
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.009	mg/kg	1.15
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.009	mg/kg	1.15
05460	Benzene	71-43-2	N.D.	0.0009	0.009	mg/kg	1.15
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.009	mg/kg	1.15
05462	Trichloroethene	79-01-6	N.D.	0.002	0.009	mg/kg	1.15
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.009	mg/kg	1.15
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.009	mg/kg	1.15
05466	Toluene	108-88-3	N.D.	0.002	0.009	mg/kg	1.15
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.009	mg/kg	1.15
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.009	mg/kg	1.15
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.009	mg/kg	1.15
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.009	mg/kg	1.15
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.009	mg/kg	1.15
05478	Bromoform	75-25-2	N.D.	0.002	0.009	mg/kg	1.15
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.009	mg/kg	1.15
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.009	mg/kg	1.15
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.009	mg/kg	1.15
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.009	mg/kg	1.15
07586	Acrolein	107-02-8	N.D.	0.035	0.18	mg/kg	1.15
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.035	mg/kg	1.15

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

AR102896

Lancaster Laboratories Sample No. SW 4589750

05-MET-052 Grab Soil Sample

N(4'-4.5')

Former Metro Container Investigation

Collected: 08/23/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:02

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-052

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 14:15	[REDACTED]	20
06925	Thallium	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/26/2005 00:25	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:13	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/30/2005 19:32	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 17:45	[REDACTED]	25
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 10:45	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 14:38	[REDACTED]	1.15
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 14:38	[REDACTED]	1.15

\*=This limit was used in the evaluation of the final result

AR102897

**Lancaster Laboratories Sample No. SW 4589750**

**05-MET-052 Grab Soil Sample**

**N(4'-4.5')**

**Former Metro Container Investigation**

Collected: 08/23/2005 07:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:02

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-052

00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:00	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/24/2005 08:04	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/24/2005 08:04	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! S-052 !
Matrix: (soil/water) SOIL	SAS No.: _____	! _____ !
Sample wt/vol: 4.33 (g/mL) g	Lab Sample ID: 4589750	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09193.i/05aug31a.b/xg31s02.d	
% Moisture: not dec. 34	Date Received: 08/23/05	
Column: (pack/cap) CAP	Date Analyzed: 08/31/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.021	J B
2.				
3.				
4.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102899

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589750  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0978.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 34 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 10 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.010	21	JAB
2.	Unknown Alkane	9.632	8.4	J
3.	Unknown	9.841	8.0	J
4.	Unknown Alkane	10.499	11	J
5.	Unknown Alkane	10.776	8.7	J
6.	Unknown Alkane	11.335	1.1	J
7.	Perylene	11.501	1.4	JX
8.	Unknown	11.778	3.5	J
9.	Unknown	12.485	.79	J
10.	Unknown	12.546	.76	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102900

**Lancaster Laboratories Sample No. SW 4589751**
**05-MET-055 Grab Soil Sample**
**N(5'-5.5')**
**Former Metro Container Investigation**

Collected: 08/23/2005 08:10

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:02

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-055

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.489	0.0034	0.128	mg/kg	1
06925	Thallium	7440-28-0	3.46	1.24	2.59	mg/kg	1
06935	Arsenic	7440-38-2	11.1	0.866	2.59	mg/kg	1
06936	Selenium	7782-49-2	1.72 J	1.24	2.59	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.06	2.59	mg/kg	1
06947	Beryllium	7440-41-7	2.17	0.0556	0.646	mg/kg	1
06949	Cadmium	7440-43-9	1.30	0.111	0.646	mg/kg	1
06951	Chromium	7440-47-3	87.5	0.685	1.94	mg/kg	1
06953	Copper	7440-50-8	154.	0.388	1.29	mg/kg	1
06955	Lead	7439-92-1	223.	1.01	2.59	mg/kg	1
06961	Nickel	7440-02-0	29.4	0.427	1.29	mg/kg	1
06966	Silver	7440-22-4	0.401 J	0.246	0.646	mg/kg	1
06972	Zinc	7440-66-6	224.	0.595	2.59	mg/kg	1
00111	Moisture	n.a.	23.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.65	mg/kg	1
05912	Phenols	n.a.	N.D.	1.6	4.6	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00222	0.0108	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00222	0.0108	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00222	0.0108	mg/kg	10
01221	p,p-DDT	50-29-3	N.D.	0.0457	0.0457	mg/kg	10
01222	Dieldrin	60-57-1	N.D.	0.00431	0.0222	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00431	0.0222	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0222	0.108	mg/kg	10
01981	Alpha BHC	319-84-6	N.D.	0.00222	0.0108	mg/kg	10
01982	Beta BHC	319-85-7	N.D.	0.00222	0.0108	mg/kg	10
01983	Delta BHC	319-86-8	N.D.	0.00274	0.0108	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00222	0.0108	mg/kg	10
01985	p,p-DDE	72-55-9	N.D.	0.0352	0.0352	mg/kg	10
01986	p,p-DDD	72-54-8	0.109	0.00431	0.0222	mg/kg	10
01987	Chlordane	57-74-9	N.D.	0.0522	0.222	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.144	0.431	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00222	0.0108	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00431	0.0222	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00431	0.0222	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0222	0.0222	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102901



**Lancaster Laboratories Sample No. SW 4589751**
**05-MET-055 Grab Soil Sample**
**N(5'-5.5')**
**Former Metro Container Investigation**

Collected: 08/23/2005 08:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:02

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-055

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0966	0.222	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0431	0.222	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0627	0.222	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0392	0.222	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.144	0.431	mg/kg	10
01998	PCB-1254	11097-69-1	0.222 J	0.0431	0.222	mg/kg	10
01999	PCB-1260	11096-82-5	0.276 J	0.144	0.431	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE, 4,4'-DDT and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.44	mg/kg	1
01185	Phenol	108-95-2	0.071 J	0.044	0.22	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.044	0.22	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.044	0.22	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.044	0.22	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.044	0.22	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.087	0.22	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.044	0.22	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.22	0.65	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.087	0.22	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.22	0.65	mg/kg	1
01195	Pyrene	129-00-0	0.40	0.044	0.22	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.063 J	0.044	0.22	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.044	0.22	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.22	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.044	0.22	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.044	0.22	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.87	2.6	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.22	0.65	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.087	0.22	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.044	0.22	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.044	0.22	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.044	0.22	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.044	0.22	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102902

Lancaster Laboratories Sample No. SW 4589751

05-MET-055 Grab Soil Sample

N(5'-5.5')

Former Metro Container Investigation

Collected: 08/23/2005 08:10

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:02

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-055

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.044	0.22	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.044	0.22	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.044	0.22	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.044	0.22	mg/kg	1
03761	Naphthalene	91-20-3	0.057 J	0.044	0.22	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.087	0.22	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.22	0.65	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.044	0.22	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.044	0.22	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.087	0.22	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.044	0.22	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.044	0.22	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.044	0.22	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.087	0.22	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.044	0.22	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.044	0.22	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.044	0.22	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.044	0.22	mg/kg	1
03775	Phenanthrene	85-01-8	0.32	0.044	0.22	mg/kg	1
03776	Anthracene	120-12-7	0.080 J	0.044	0.22	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.087	0.22	mg/kg	1
03778	Fluoranthene	206-44-0	0.45	0.044	0.22	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.87	2.6	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.087	0.22	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.24	0.044	0.22	mg/kg	1
03782	Chrysene	218-01-9	0.31	0.044	0.22	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.44	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.26 J	0.087	0.44	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.087	0.22	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.35	0.044	0.22	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.15 J	0.044	0.22	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.25	0.044	0.22	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.17 J	0.044	0.22	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.090 J	0.044	0.22	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.23	0.044	0.22	mg/kg	1
06373	Add'l Volatile Compounds						

\*=This limit was used in the evaluation of the final result

AR102903

Lancaster Laboratories Sample No. SW 4589751

05-MET-055 Grab Soil Sample  
N(5'-5.5')  
Former Metro Container Investigation

Collected: 08/23/2005 08:10

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:02  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-055

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.29
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.29
02020	t-Butyl alcohol	75-65-0	N.D.	0.034	0.17	mg/kg	1.29
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.29
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.29
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.29
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.29
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.29
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.29
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.008	mg/kg	1.29
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.29
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.008	mg/kg	1.29
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.008	mg/kg	1.29
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.29
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.29
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.29
05460	Benzene	71-43-2	N.D.	0.0008	0.008	mg/kg	1.29
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.29
05462	Trichloroethene	79-01-6	N.D.	0.002	0.008	mg/kg	1.29
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.29
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.29
05466	Toluene	108-88-3	N.D.	0.002	0.008	mg/kg	1.29
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.29
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.008	mg/kg	1.29
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.29
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	1.29
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.008	mg/kg	1.29
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.29
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.29
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.29
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.29
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.008	mg/kg	1.29
07586	Acrolein	107-02-8	N.D.	0.034	0.17	mg/kg	1.29
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.034	mg/kg	1.29

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 4589751

05-MET-055 Grab Soil Sample

N(5'-5.5')

Former Metro Container Investigation

Collected: 08/23/2005 08:10

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:02

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-055

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatiles Library Search						
	The results from the semivolatiles library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 13:55	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/26/2005 00:29	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:14	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/30/2005 19:33	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 21:11	[REDACTED]	10
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 12:12	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 15:02	[REDACTED]	1.29
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 15:02	[REDACTED]	1.29
00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102905

**Lancaster Laboratories Sample No. SW 4589751**

**05-MET-055 Grab Soil Sample**

**N(5'-5.5')**

**Former Metro Container Investigation**

Collected: 08/23/2005 08:10

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:02

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-055

05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:01	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/24/2005 08:05	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/24/2005 08:05	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4589751  
 Sample wt/vol: 3.87 (g/mL) g      Lab File ID: HP09193.i/05aug31a.b/xg31s03.d  
 Level: (low/med) LOW      Date Received: 08/23/05  
 % Moisture: not dec. 23      Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	3.59	0.018	J
2.	Unknown siloxane	12.26	0.037	J B
3.	Unknown siloxane	13.57	0.01	J B
4.				
5.				
6.				
7.				
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26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102907

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589751  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0982.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 23 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 19 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Organic Acid	2.616	2.4	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	3.016	22	JAB
3.	!Unknown Alkane	7.621	8.2	J
4.	!Unknown Alkane	9.626	.19	J
5.	!Unknown	9.841	.30	J
6.	!Unknown	10.025	.22	J
7.	!Unknown Alkane	10.210	.34	J
8.	!Unknown Alkane	10.776	.18	J
9.	!Unknown	10.800	.24	J
10.	!Unknown Alkane	11.046	.37	J
11.	!Unknown	11.268	.30	J
12.	!Unknown Alkane	11.335	.47	J
13.	!Unknown	11.458	.25	J
14.	!Benzo[a]pyrene	11.495	.51	JX
15.	!Unknown Alkane	11.655	.24	J
16.	!Unknown Alkane	12.024	.44	J
17.	!Unknown	13.001	.34	J
18.	!.gamma.-Sitosterol	13.327	.92	JX
19.	!Unknown	13.629	.38	J
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102908

Lancaster Laboratories Sample No. SW 4589752

05-MET-054 Grab Soil Sample

N(2'-2.5')

Former Metro Container Investigation

Collected: 08/23/2005 08:50

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:03

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-054

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.956	0.0032	0.120	mg/kg	1
06925	Thallium	7440-28-0	3.14	1.22	2.54	mg/kg	1
06935	Arsenic	7440-38-2	13.6	0.850	2.54	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.22	2.54	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.04	2.54	mg/kg	1
06947	Beryllium	7440-41-7	0.688	0.0546	0.635	mg/kg	1
06949	Cadmium	7440-43-9	0.329 J	0.109	0.635	mg/kg	1
06951	Chromium	7440-47-3	88.7	0.673	1.90	mg/kg	1
06953	Copper	7440-50-8	115.	0.381	1.27	mg/kg	1
06955	Lead	7439-92-1	209.	0.990	2.54	mg/kg	1
06961	Nickel	7440-02-0	26.8	0.419	1.27	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.241	0.635	mg/kg	1
06972	Zinc	7440-66-6	197.	0.584	2.54	mg/kg	1
00111	Moisture	n.a.	22.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.63	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00436	0.0213	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00436	0.0213	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00436	0.0213	mg/kg	20
01221	p,p-DDT	50-29-3	0.235	0.00846	0.0436	mg/kg	20
01222	Dieldrin	60-57-1	0.102	0.00846	0.0436	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00846	0.0436	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0436	0.213	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00436	0.0213	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00436	0.0213	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00538	0.0213	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00436	0.0213	mg/kg	20
01985	p,p-DDE	72-55-9	0.0353 J	0.00846	0.0436	mg/kg	20
01986	p,p-DDD	72-54-8	0.0616	0.00846	0.0436	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.103	0.436	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.282	0.846	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00436	0.0213	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00846	0.0436	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00846	0.0436	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00846	0.0436	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102909



Lancaster Laboratories Sample No. SW 4589752

05-MET-054 Grab Soil Sample

N(2'-2.5')

Former Metro Container Investigation

Collected: 08/23/2005 08:50

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:03

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-054

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.190	0.436	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0846	0.436	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.123	0.436	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0769	0.436	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.282	0.846	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.436	0.436	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.282	0.846	mg/kg	20

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for aroclor-1254.

Despite cleanup methods, we were unable to reach our usual reporting limits.

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.13	0.43	mg/kg	1
01185	Phenol	108-95-2	0.060 J	0.043	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.043	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.043	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.043	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.043	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.085	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	0.044 J	0.043	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.64	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.085	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.64	mg/kg	1
01195	Pyrene	129-00-0	0.57	0.043	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.054 J	0.043	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.043	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.13	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.043	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.043	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.85	2.6	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.64	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.085	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.043	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.043	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.043	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.043	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.043	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102910

**Lancaster Laboratories Sample No. SW 4589752**
**05-MET-054 Grab Soil Sample**
**N(2'-2.5')**
**Former Metro Container Investigation**

Collected: 08/23/2005 08:50

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:03

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-054

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.043	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.043	0.21	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.043	0.21	mg/kg	1
03761	Naphthalene	91-20-3	0.078 J	0.043	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.085	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.64	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.043	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	0.087 J	0.043	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.085	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.043	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.048 J	0.043	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.043	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.085	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.043	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.043	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.043	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.043	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.49	0.043	0.21	mg/kg	1
03776	Anthracene	120-12-7	0.18 J	0.043	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.085	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.64	0.043	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.85	2.6	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.085	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.32	0.043	0.21	mg/kg	1
03782	Chrysene	218-01-9	0.41	0.043	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.13	0.43	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.31 J	0.085	0.43	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.085	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.51	0.043	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.25	0.043	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.35	0.043	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.28	0.043	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.11 J	0.043	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.34	0.043	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.009	mg/kg	1.45

\*=This limit was used in the evaluation of the final result

AR102911

Lancaster Laboratories Sample No. SW 4589752

05-MET-054 Grab Soil Sample

N(2'-2.5')

Former Metro Container Investigation

Collected: 08/23/2005 08:50

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:03

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-054

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0009	0.009	mg/kg	1.45
02020	t-Butyl alcohol	75-65-0	N.D.	0.037	0.19	mg/kg	1.45
05444	Chloromethane	74-87-3	N.D.	0.004	0.009	mg/kg	1.45
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.009	mg/kg	1.45
05446	Bromomethane	74-83-9	N.D.	0.004	0.009	mg/kg	1.45
05447	Chloroethane	75-00-3	N.D.	0.004	0.009	mg/kg	1.45
05448	Trichlorofluoromethane	75-69-4	N.D.	0.004	0.009	mg/kg	1.45
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.009	mg/kg	1.45
05450	Methylene Chloride	75-09-2	N.D.	0.004	0.009	mg/kg	1.45
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.009	mg/kg	1.45
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.009	mg/kg	1.45
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.009	mg/kg	1.45
05455	Chloroform	67-66-3	N.D.	0.002	0.009	mg/kg	1.45
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.009	mg/kg	1.45
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.009	mg/kg	1.45
05460	Benzene	71-43-2	0.003 J	0.0009	0.009	mg/kg	1.45
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.009	mg/kg	1.45
05462	Trichloroethene	79-01-6	N.D.	0.002	0.009	mg/kg	1.45
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.009	mg/kg	1.45
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.009	mg/kg	1.45
05466	Toluene	108-88-3	N.D.	0.002	0.009	mg/kg	1.45
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.009	mg/kg	1.45
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.009	mg/kg	1.45
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.009	mg/kg	1.45
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.009	mg/kg	1.45
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.009	mg/kg	1.45
05478	Bromoform	75-25-2	N.D.	0.002	0.009	mg/kg	1.45
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.009	mg/kg	1.45
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.009	mg/kg	1.45
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.009	mg/kg	1.45
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.009	mg/kg	1.45
07586	Acrolein	107-02-8	N.D.	0.037	0.19	mg/kg	1.45
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.037	mg/kg	1.45

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR102912

Lancaster Laboratories Sample No. SW 4589752

05-MET-054 Grab Soil Sample

N(2'-2.5')

Former Metro Container Investigation

Collected: 08/23/2005 08:50

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:03

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-054

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 13:56	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/26/2005 00:34	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:15	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/30/2005 19:37	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 21:31	[REDACTED]	20
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 12:34	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 15:25	[REDACTED]	1.45
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 15:25	[REDACTED]	1.45
00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102913

**Lancaster Laboratories Sample No. SW 4589752**

**05-MET-054 Grab Soil Sample**

**N(2'-2.5')**

**Former Metro Container Investigation**

Collected: 08/23/2005 08:50

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:03

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-054

05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:02	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/24/2005 08:06	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/24/2005 08:06	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4589752	SDG No.: _____
Sample wt/vol: 3.46 (g/mL) g	Lab File ID: HP09193.i/05aug31a.b/xg31s04.d	
Level: (low/med) LOW	Date Received: 08/23/05	
% Moisture: not dec. 22	Date Analyzed: 08/31/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 66-25-1	Hexanal	10.56	0.012	J
2.	Unknown siloxane	12.26	0.053	J B
3.				
4.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102915

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589752  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0983.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 22 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 21 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.016	20	JAB
2.	Unknown Alkane	7.621	1.8	J
3.	Unknown Alkane	7.996	.23	J
4.	Unknown Alkane	9.331	.23	J
5.	Unknown	10.026	.32	J
6.122-69-0	Cinnamyl cinnamate	10.093	.38	J
7.	Unknown Alkane	10.210	.42	J
8.	Unknown	10.800	.33	J
9.	Unknown Alkane	11.052	.47	J
10.	Unknown	11.102	.36	J
11.	Unknown Alkane	11.335	.77	J
12.	Benz[e]acephenanthrylene	11.501	.71	JX
13.	Unknown	11.655	.41	J
14.	Unknown	11.901	.35	J
15.	Unknown Alkane	12.024	.50	J
16.	Unknown	12.196	.58	J
17.	Unknown	12.553	.45	J
18.	Unknown	12.965	.76	J
19.	.gamma.-Sitosterol	13.327	1.8	JX
20.	Unknown	13.413	.55	J
21.	Unknown	13.635	.76	J
22.				
23.				
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25.				
26.				
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30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102916

Lancaster Laboratories Sample No. SW 4589753

05-MET-053 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/23/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:03

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-053

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.587	0.0040	0.150	mg/kg	1
06925	Thallium	7440-28-0	2.51 J	1.44	3.00	mg/kg	1
06935	Arsenic	7440-38-2	16.3	1.01	3.00	mg/kg	1
06936	Selenium	7782-49-2	2.84 J	1.44	3.00	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.23	3.00	mg/kg	1
06947	Beryllium	7440-41-7	0.515 J	0.0646	0.751	mg/kg	1
06949	Cadmium	7440-43-9	0.225 J	0.129	0.751	mg/kg	1
06951	Chromium	7440-47-3	87.9	0.796	2.25	mg/kg	1
06953	Copper	7440-50-8	80.3	0.451	1.50	mg/kg	1
06955	Lead	7439-92-1	269.	1.17	3.00	mg/kg	1
06961	Nickel	7440-02-0	15.7	0.496	1.50	mg/kg	1
06966	Silver	7440-22-4	0.391 J	0.285	0.751	mg/kg	1
06972	Zinc	7440-66-6	68.8	0.691	3.00	mg/kg	1
00111	Moisture	n.a.	34.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	0.29 J	0.27	0.75	mg/kg	1
05912	Phenols	n.a.	N.D.	1.8	5.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00258	0.0126	mg/kg	10
01219	Heptachlor	76-44-8	N.D.	0.00258	0.0126	mg/kg	10
01220	Aldrin	309-00-2	N.D.	0.00258	0.0126	mg/kg	10
01221	p,p-DDT	50-29-3	0.745	0.0501	0.258	mg/kg	100
01222	Dieldrin	60-57-1	N.D.	0.00501	0.0258	mg/kg	10
01223	Endrin	72-20-8	N.D.	0.00501	0.0258	mg/kg	10
01859	Methoxychlor	72-43-5	N.D.	0.0258	0.126	mg/kg	10
01981	Alpha BHC	319-84-6	0.0268	0.00258	0.0126	mg/kg	10
01982	Beta BHC	319-85-7	0.0109 J	0.00258	0.0126	mg/kg	10
01983	Delta BHC	319-86-8	0.0403	0.00319	0.0126	mg/kg	10
01984	Heptachlor Epoxide	1024-57-3	0.0124 J	0.00258	0.0126	mg/kg	10
01985	p,p-DDE	72-55-9	0.129	0.00501	0.0258	mg/kg	10
01986	p,p-DDD	72-54-8	1.17	0.0501	0.258	mg/kg	100
01987	Chlordane	57-74-9	N.D.	0.0607	0.258	mg/kg	10
01988	Toxaphene	8001-35-2	N.D.	0.167	0.501	mg/kg	10
01989	Endosulfan I	959-98-8	N.D.	0.00258	0.0126	mg/kg	10
01990	Endosulfan II	33213-65-9	N.D.	0.00501	0.0258	mg/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00501	0.0258	mg/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00501	0.0258	mg/kg	10

\*=This limit was used in the evaluation of the final result

AR102917



**Lancaster Laboratories Sample No. SW 4589753**

**05-MET-053 Grab Soil Sample**

**N(5.5'-6')**

**Former Metro Container Investigation**

Collected: 08/23/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:03

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-053

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.112	0.258	mg/kg	10
01994	PCB-1221	11104-28-2	N.D.	0.0501	0.258	mg/kg	10
01995	PCB-1232	11141-16-5	N.D.	0.0728	0.258	mg/kg	10
01996	PCB-1242	53469-21-9	N.D.	0.0455	0.258	mg/kg	10
01997	PCB-1248	12672-29-6	N.D.	0.167	0.501	mg/kg	10
01998	PCB-1254	11097-69-1	N.D.	0.258	0.258	mg/kg	10
01999	PCB-1260	11096-82-5	N.D.	0.501	0.501	mg/kg	10

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for aroclor-1260.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.15	0.51	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.051	0.25	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.051	0.25	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.051	0.25	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.051	0.25	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.051	0.25	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.10	0.25	mg/kg	1
01191	Acenaphthene	83-32-9	0.074 J	0.051	0.25	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.25	0.76	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.10	0.25	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.25	0.76	mg/kg	1
01195	Pyrene	129-00-0	1.6	0.051	0.25	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.18 J	0.051	0.25	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.051	0.25	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.15	0.25	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.051	0.25	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.051	0.25	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	1.0	3.0	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.25	0.76	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.10	0.25	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.051	0.25	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.051	0.25	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.051	0.25	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.051	0.25	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.051	0.25	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102918

**Lancaster Laboratories Sample No. SW 4589753**
**05-MET-053 Grab Soil Sample**
**N(5.5'-6')**
**Former Metro Container Investigation**

Collected: 08/23/2005 09:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:03

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-053

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03758	Nitrobenzene	98-95-3	N.D.	0.051	0.25	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.051	0.25	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.051	0.25	mg/kg	1
03761	Naphthalene	91-20-3	0.56	0.051	0.25	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.10	0.25	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.25	0.76	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.051	0.25	mg/kg	1
03765	Acenaphthylene	208-96-8	0.18 J	0.051	0.25	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.10	0.25	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.051	0.25	mg/kg	1
03768	Fluorene	86-73-7	0.10 J	0.051	0.25	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.051	0.25	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.10	0.25	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.051	0.25	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.051	0.25	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.051	0.25	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.051	0.25	mg/kg	1
03775	Phenanthrene	85-01-8	1.6	0.051	0.25	mg/kg	1
03776	Anthracene	120-12-7	0.39	0.051	0.25	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.10	0.25	mg/kg	1
03778	Fluoranthene	206-44-0	1.9	0.051	0.25	mg/kg	1
03779	Benzidine	92-87-5	N.D.	1.0	3.0	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.10	0.25	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.82	0.051	0.25	mg/kg	1
03782	Chrysene	218-01-9	1.6	0.051	0.25	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.15	0.51	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	0.38 J	0.10	0.51	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.10	0.25	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	1.4	0.051	0.25	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.57	0.051	0.25	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.65	0.051	0.25	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.54	0.051	0.25	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.32	0.051	0.25	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.75	0.051	0.25	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.010	mg/kg	1.36

\*=This limit was used in the evaluation of the final result

AR102919

Lancaster Laboratories Sample No. SW 4589753

05-MET-053 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/23/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:03

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-053

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	0.010	mg/kg	1.36
02020	t-Butyl alcohol	75-65-0	N.D.	0.041	0.21	mg/kg	1.36
05444	Chloromethane	74-87-3	N.D.	0.004	0.010	mg/kg	1.36
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.010	mg/kg	1.36
05446	Bromomethane	74-83-9	N.D.	0.004	0.010	mg/kg	1.36
05447	Chloroethane	75-00-3	N.D.	0.004	0.010	mg/kg	1.36
05448	Trichlorofluoromethane	75-69-4	N.D.	0.004	0.010	mg/kg	1.36
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.010	mg/kg	1.36
05450	Methylene Chloride	75-09-2	N.D.	0.004	0.010	mg/kg	1.36
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.010	mg/kg	1.36
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.010	mg/kg	1.36
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.010	mg/kg	1.36
05455	Chloroform	67-66-3	N.D.	0.002	0.010	mg/kg	1.36
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.010	mg/kg	1.36
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.010	mg/kg	1.36
05460	Benzene	71-43-2	N.D.	0.001	0.010	mg/kg	1.36
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.010	mg/kg	1.36
05462	Trichloroethene	79-01-6	N.D.	0.002	0.010	mg/kg	1.36
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.010	mg/kg	1.36
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.010	mg/kg	1.36
05466	Toluene	108-88-3	N.D.	0.002	0.010	mg/kg	1.36
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.010	mg/kg	1.36
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.010	mg/kg	1.36
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.010	mg/kg	1.36
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.010	mg/kg	1.36
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.010	mg/kg	1.36
05478	Bromoform	75-25-2	N.D.	0.002	0.010	mg/kg	1.36
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.010	mg/kg	1.36
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.010	mg/kg	1.36
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.010	mg/kg	1.36
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.010	mg/kg	1.36
07586	Acrolein	107-02-8	N.D.	0.041	0.21	mg/kg	1.36
07587	Acrylonitrile	107-13-1	N.D.	0.008	0.041	mg/kg	1.36

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here

\*=This limit was used in the evaluation of the final result

AR102920

Lancaster Laboratories Sample No. SW 4589753

05-MET-053 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/23/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:03

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-053

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
	are from the initial analysis of the sample. Also, surrogate recoveries were outside of QC limits for the re-analysis.						

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 13:58	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/26/2005 00:39	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:16	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/30/2005 19:38	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 22:12	[REDACTED]	10

\*=This limit was used in the evaluation of the final result

AR102921

**Lancaster Laboratories Sample No. SW 4589753**

**05-MET-053 Grab Soil Sample**

**N(5.5'-6')**

**Former Metro Container Investigation**

Collected: 08/23/2005 09:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:03

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-053

01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 22:33	[REDACTED]	100
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 13:18	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 15:49	[REDACTED]	1.36
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 15:49	[REDACTED]	1.36
00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:03	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/24/2005 08:07	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/24/2005 08:07	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4589753  
 Sample wt/vol: 3.69 (g/mL) g      Lab File ID: HP09193.i/05aug31a.b/xg31s05.d  
 Level: (low/med) LOW      Date Received: 08/23/05  
 % Moisture: not dec. 34      Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.071	J B
2.	Unknown siloxane	13.57	0.013	J B
3.				
4.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102923

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589753  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0984.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 34 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	5.893	.81	J
2.	!Unknown Alkane	6.195	2.8	J
3.	!Naphthalene, 2,3-dimethyl-	6.674	.52	JX
4.132-64-9	!Dibenzofuran	7.031	.51	J
5.	!Unknown Alkane	7.228	.70	J
6.	!Unknown Alkane	7.621	1.6	J
7.86-74-8	!Carbazole	8.298	.85	J
8.84-65-1	!9,10-Anthracenedione	8.789	.66	J
9.	!Phenanthrene, 2,5-dimethyl-	8.980	.49	JX
10.	!Pyrene, 1-methyl-	9.490	.76	JX
11.	!Unknown	9.669	.79	J
12.	!Unknown	9.847	1.4	J
13.	!Unknown	10.019	.52	J
14.	!Unknown	10.198	.69	J
15.	!Chrysene, 1-methyl-	10.683	.93	JX
16.	!Benzo[c]phenanthrene, 5,8-di	10.991	1.0	JX
17.	!Unknown	11.058	.93	J
18.	!Unknown	11.101	.83	J
19.	!Unknown	11.144	.48	J
20.	!Unknown	11.175	.81	J
21.	!Unknown	11.433	.62	J
22.	!Benzo[a]pyrene	11.507	1.2	JX
23.	!Unknown	11.876	.51	J
24.	!Unknown	12.559	.53	J
25.	!Benzo[b]triphenylene	13.014	.49	JX
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102924

**Lancaster Laboratories Sample No. SW 4589754**
**05-MET-041 Grab Soil Sample**
**N(2'-2.5')**
**Former Metro Container Investigation**

Collected: 08/23/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:04

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-041

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.197	0.0031	0.117	mg/kg	1
06925	Thallium	7440-28-0	2.13 J	1.18	2.46	mg/kg	1
06935	Arsenic	7440-38-2	5.97	0.823	2.46	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.18	2.46	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.01	2.46	mg/kg	1
06947	Beryllium	7440-41-7	0.182 J	0.0528	0.614	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.106	0.614	mg/kg	1
06951	Chromium	7440-47-3	46.7	0.651	1.84	mg/kg	1
06953	Copper	7440-50-8	26.4	0.369	1.23	mg/kg	1
06955	Lead	7439-92-1	33.7	0.958	2.46	mg/kg	1
06961	Nickel	7440-02-0	10.6	0.405	1.23	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.233	0.614	mg/kg	1
06972	Zinc	7440-66-6	49.5	0.565	2.46	mg/kg	1
00111	Moisture	n.a.	19.4	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.22	0.62	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00105	0.00515	mg/kg	5
01219	Heptachlor	76-44-8	N.D.	0.00105	0.00515	mg/kg	5
01220	Aldrin	309-00-2	N.D.	0.00105	0.00515	mg/kg	5
01221	p,p-DDT	50-29-3	N.D.	0.00205	0.0105	mg/kg	5
01222	Dieldrin	60-57-1	N.D.	0.00205	0.0105	mg/kg	5
01223	Endrin	72-20-8	N.D.	0.00205	0.0105	mg/kg	5
01859	Methoxychlor	72-43-5	N.D.	0.0105	0.0515	mg/kg	5
01981	Alpha BHC	319-84-6	N.D.	0.00105	0.00515	mg/kg	5
01982	Beta BHC	319-85-7	N.D.	0.00105	0.00515	mg/kg	5
01983	Delta BHC	319-86-8	N.D.	0.00130	0.00515	mg/kg	5
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.00105	0.00515	mg/kg	5
01985	p,p-DDE	72-55-9	N.D.	0.00205	0.0105	mg/kg	5
01986	p,p-DDD	72-54-8	N.D.	0.00205	0.0105	mg/kg	5
01987	Chlordane	57-74-9	N.D.	0.0248	0.105	mg/kg	5
01988	Toxaphene	8001-35-2	N.D.	0.0682	0.205	mg/kg	5
01989	Endosulfan I	959-98-8	N.D.	0.00105	0.00515	mg/kg	5
01990	Endosulfan II	33213-65-9	N.D.	0.00205	0.0105	mg/kg	5
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00205	0.0105	mg/kg	5
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00205	0.0105	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102925



**Lancaster Laboratories Sample No. SW 4589754**

**05-MET-041 Grab Soil Sample**

**N(2'-2.5')**

**Former Metro Container Investigation**

Collected: 08/23/2005 10:20

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:04

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-041

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0459	0.105	mg/kg	5
01994	PCB-1221	11104-28-2	N.D.	0.0205	0.105	mg/kg	5
01995	PCB-1232	11141-16-5	N.D.	0.0298	0.105	mg/kg	5
01996	PCB-1242	53469-21-9	N.D.	0.0186	0.105	mg/kg	5
01997	PCB-1248	12672-29-6	N.D.	0.0682	0.205	mg/kg	5
01998	PCB-1254	11097-69-1	N.D.	0.0205	0.105	mg/kg	5
01999	PCB-1260	11096-82-5	N.D.	0.0682	0.205	mg/kg	5

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.41	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.21	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.21	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.21	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.21	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.21	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.083	0.21	mg/kg	1
01191	Acenaphthene	83-32-9	0.086 J	0.041	0.21	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.21	0.62	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.083	0.21	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.21	0.62	mg/kg	1
01195	Pyrene	129-00-0	0.79	0.041	0.21	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	0.048 J	0.041	0.21	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.21	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.21	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.21	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.21	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.83	2.5	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.21	0.62	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.083	0.21	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.21	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.21	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.21	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.21	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.21	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.21	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.21	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102926

Lancaster Laboratories Sample No. SW 4589754

05-MET-041 Grab Soil Sample

N(2'-2.5')

Former Metro Container Investigation

Collected: 08/23/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:04

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-041

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.21	mg/kg	1
03761	Naphthalene	91-20-3	0.068 J	0.041	0.21	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.083	0.21	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.21	0.62	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.21	mg/kg	1
03765	Acenaphthylene	208-96-8	0.058 J	0.041	0.21	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.083	0.21	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.21	mg/kg	1
03768	Fluorene	86-73-7	0.096 J	0.041	0.21	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.21	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.083	0.21	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.21	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.21	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.21	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.21	mg/kg	1
03775	Phenanthrene	85-01-8	0.95	0.041	0.21	mg/kg	1
03776	Anthracene	120-12-7	0.19 J	0.041	0.21	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.083	0.21	mg/kg	1
03778	Fluoranthene	206-44-0	0.93	0.041	0.21	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.83	2.5	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.083	0.21	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.41	0.041	0.21	mg/kg	1
03782	Chrysene	218-01-9	0.46	0.041	0.21	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.083	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.083	0.21	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.54	0.041	0.21	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.19 J	0.041	0.21	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.38	0.041	0.21	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.26	0.041	0.21	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.13 J	0.041	0.21	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.39	0.041	0.21	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.21
07584	PPL Volatiles						

\*=This limit was used in the evaluation of the final result

AR102927

Lancaster Laboratories Sample No. SW 4589754

05-MET-041 Grab Soil Sample  
N(2'-2.5')  
Former Metro Container Investigation

Collected: 08/23/2005 10:20

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:04  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-041

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.21
02020	t-Butyl alcohol	75-65-0	N.D.	0.030	0.15	mg/kg	1.21
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.21
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.21
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.21
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.21
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.21
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.21
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.008	mg/kg	1.21
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.21
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.008	mg/kg	1.21
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.008	mg/kg	1.21
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.21
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.21
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.21
05460	Benzene	71-43-2	N.D.	0.0008	0.008	mg/kg	1.21
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.21
05462	Trichloroethene	79-01-6	N.D.	0.002	0.008	mg/kg	1.21
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.21
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.21
05466	Toluene	108-88-3	N.D.	0.002	0.008	mg/kg	1.21
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.21
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.008	mg/kg	1.21
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.21
05472	Chlorobenzene	108-90-7	0.021	0.002	0.008	mg/kg	1.21
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.008	mg/kg	1.21
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.21
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.21
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.21
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.21
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.008	mg/kg	1.21
07586	Acrolein	107-02-8	N.D.	0.030	0.15	mg/kg	1.21
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.030	mg/kg	1.21

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102928

Lancaster Laboratories Sample No. SW 4589754

05-MET-041 Grab Soil Sample

N(2'-2.5')

Former Metro Container Investigation

Collected: 08/23/2005 10:20

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:04

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-041

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 13:59	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/26/2005 00:44	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 12:17	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/30/2005 19:39	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 22:54	[REDACTED]	5
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 13:39	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 04:56	[REDACTED]	1.21
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 04:56	[REDACTED]	1.21
00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/25/2005 15:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102929

**Lancaster Laboratories Sample No. SW 4589754****05-MET-041 Grab Soil Sample****N(2'-2.5')****Former Metro Container Investigation**

Collected: 08/23/2005 10:20

by

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:04

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-041

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:04		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/24/2005 08:08		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/24/2005 08:08		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! S-041 !
Matrix: (soil/water) SOIL	SAS No.: _____	! _____ !
Sample wt/vol: 4.14 (g/mL) g	Lab Sample ID: 4589754	
Level: (low/med) LOW	Lab File ID: HP09193.i/05aug30b.b/xg30s29.d	
% Moisture: not dec. 19	Date Received: 08/23/05	
Column: (pack/cap) CAP	Date Analyzed: 08/31/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.028	J B
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102931

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589754  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0985.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 19 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.844	.13	J
2.	!Unknown	10.025	.34	J
3.	!Unknown Alkane	10.210	.76	J
4.	!Unknown Alkane	10.499	.80	J
5.	!Chrysene, 5-methyl-	10.683	.88	JX
6.	!Unknown	10.800	1.6	J
7.	!Unknown	10.978	1.5	J
8.	!Unknown Alkane	11.046	.89	J
9.	!Unknown	11.101	.42	J
10.	!Unknown	11.132	.64	J
11.	!16-Octadecenal	11.169	1.3	JX
12.	!Unknown	11.317	.39	J
13.	!Unknown Alkane	11.335	.51	J
14.	!Unknown	11.372	1.4	J
15.	!Unknown	11.452	.70	J
16.	!Benzo[e]pyrene	11.501	.79	JX
17.	!Unknown	11.655	.76	J
18.	!Unknown	11.735	.65	J
19.	!Unknown	11.784	.35	J
20.	!Unknown	11.827	.38	J
21.	!Unknown	11.870	.41	J
22.	!Unknown	11.968	.42	J
23.	!Unknown Alkane	12.024	.59	J
24.	!Unknown	12.128	.58	J
25.	!Unknown	13.106	.36	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102932

Lancaster Laboratories Sample No. SW 4589755

05-MET-046 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/23/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:04

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-046

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0030	0.112	mg/kg	1
06925	Thallium	7440-28-0	2.79	1.13	2.35	mg/kg	1
06935	Arsenic	7440-38-2	4.48	0.788	2.35	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.13	2.35	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.964	2.35	mg/kg	1
06947	Beryllium	7440-41-7	1.07	0.0506	0.588	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.101	0.588	mg/kg	1
06951	Chromium	7440-47-3	40.0	0.623	1.76	mg/kg	1
06953	Copper	7440-50-8	16.6	0.353	1.18	mg/kg	1
06955	Lead	7439-92-1	10.7	0.917	2.35	mg/kg	1
06961	Nickel	7440-02-0	31.4	0.388	1.18	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.223	0.588	mg/kg	1
06972	Zinc	7440-66-6	59.1	0.541	2.35	mg/kg	1
00111	Moisture	n.a.	15.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.57	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.1	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000202	0.000986	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000202	0.000986	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000202	0.000986	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000392	0.00202	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000392	0.00202	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000392	0.00202	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00202	0.00986	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000202	0.000986	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000202	0.000986	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000249	0.000986	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000202	0.000986	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000392	0.00202	mg/kg	1
01986	p,p-DDD	72-54-8	0.000913 J	0.000392	0.00202	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00475	0.0202	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0131	0.0392	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000202	0.000986	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000392	0.00202	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000392	0.00202	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000392	0.00202	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102933



**Lancaster Laboratories Sample No. SW 4589755**

**05-MET-046 Grab Soil Sample  
N(5.5'-6')  
Former Metro Container Investigation**

Collected: 08/23/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:04  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-046

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00879	0.0202	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00392	0.0202	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00570	0.0202	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00356	0.0202	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0131	0.0392	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00392	0.0202	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0131	0.0392	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.40	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.040	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.040	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.040	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.040	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.040	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.079	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.040	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.59	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.079	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.59	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.040	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.040	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.040	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.040	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.040	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.79	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.59	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.079	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.040	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.040	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.040	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.040	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.040	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.040	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.040	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.040	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.040	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.079	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.59	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102934

**Lancaster Laboratories Sample No. SW 4589755**
**05-MET-046 Grab Soil Sample**
**N(5.5'-6')**
**Former Metro Container Investigation**

Collected: 08/23/2005 10:40

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:04

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-046

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.040	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.040	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.079	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.040	0.20	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.040	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.040	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.079	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.040	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.040	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.040	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.040	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.040	0.20	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.040	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.079	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.040	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.79	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.079	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.040	0.20	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.040	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.40	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.079	0.40	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.079	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.040	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.040	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.040	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.040	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.040	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.040	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.92
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.92
02020	t-Butyl alcohol	75-65-0	N.D.	0.022	0.11	mg/kg	0.92
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.92

\*=This limit was used in the evaluation of the final result

AR102935

Lancaster Laboratories Sample No. SW 4589755

05-MET-046 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/23/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:04

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-046

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.92
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.92
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.92
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.92
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.92
05450	Methylene Chloride	75-09-2	0.002 J	0.002	0.005	mg/kg	0.92
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.92
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	0.92
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.92
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.92
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.92
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.92
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	0.92
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.92
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.92
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.92
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.92
05466	Toluene	108-88-3	N.D.	0.001	0.005	mg/kg	0.92
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.92
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.92
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.92
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.92
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.005	mg/kg	0.92
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.92
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.92
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.92
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.92
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	mg/kg	0.92
07586	Acrolein	107-02-8	N.D.	0.022	0.11	mg/kg	0.92
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.022	mg/kg	0.92

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102936

Lancaster Laboratories Sample No. SW 4589755

05-MET-046 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/23/2005 10:40

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:04

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-046

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 14:03	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/26/2005 00:58	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 13:32	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/30/2005 19:41	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 23:14	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 14:01	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 05:19	[REDACTED]	0.92
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 05:19	[REDACTED]	0.92
00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/26/2005 09:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:05	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/24/2005 08:09	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR102937



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 6 of 8

Lancaster Laboratories Sample No. SW 4589755

05-MET-046 Grab Soil Sample

N(5.5'-6')

Former Metro Container Investigation

Collected: 08/23/2005 10:40

by

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:04

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-046

08389 GC/MS - LL Encore Prep

SW-846 5035

2

08/24/2005 08:09

n.a.

\*=This limit was used in the evaluation of the final result

AR102938

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4589755  
 Sample wt/vol: 5.43 (g/mL) g      Lab File ID: HP09193.i/05aug30b.b/xg30s30.d  
 Level: (low/med) LOW      Date Received: 08/23/05  
 % Moisture: not dec. 16      Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 115-07-1	Propene	1.90	0.044	J
2.	Unknown alkene	2.19	0.008	J
3.	Unknown siloxane	12.26	0.013	J B
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102939

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589755  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0986.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 16 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonc  
 CONCENTRATION UNITS:  
 Number TICs found: 22 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	2.659	.19	JA
2.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.016	.13	JAB
3.	!Unknown	4.633	1.6	J
4.	!Unknown	9.337	.24	J
5.	!Unknown	9.638	2.9	J
6.	!Unknown Alkane	10.499	.27	J
7.	!Unknown	10.677	.33	J
8.	!Unknown Alkane	10.775	.38	J
9.	!Unknown	10.978	1.9	J
10.	!Unknown	11.138	.40	J
11.	!Unknown	11.181	.31	J
12.	!Unknown	11.224	.43	J
13.	!Unknown Alkane	11.335	.35	J
14.	!Unknown	11.378	.23	J
15.	!Unknown	11.452	.41	J
16.	!Unknown	11.526	.25	J
17.	!Unknown	11.655	.47	J
18.	!Unknown	11.729	.16	J
19.	!Unknown	11.753	.23	J
20.	!Unknown	11.913	.31	J
21.	!Unknown	11.968	.24	J
22.59252-03-8	6.beta.-Acetoxy-17.beta.-ter	12.018	.24	J
23.				
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30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102940

**Lancaster Laboratories Sample No. SW 4589756**
**05-MET-056 Grab Soil Sample**
**N(4.5'-5')**
**Former Metro Container Investigation**

Collected: 08/23/2005 11:10

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-056

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.0535 J	0.0028	0.104	mg/kg	1
06925	Thallium	7440-28-0	6.37	1.07	2.23	mg/kg	1
06935	Arsenic	7440-38-2	3.83	0.746	2.23	mg/kg	1
06936	Selenium	7782-49-2	1.42 J	1.07	2.23	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.913	2.23	mg/kg	1
06947	Beryllium	7440-41-7	1.74	0.0479	0.557	mg/kg	1
06949	Cadmium	7440-43-9	0.718	0.0958	0.557	mg/kg	1
06951	Chromium	7440-47-3	859.	0.590	1.67	mg/kg	1
06953	Copper	7440-50-8	119.	0.334	1.11	mg/kg	1
06955	Lead	7439-92-1	78.2	0.869	2.23	mg/kg	1
06961	Nickel	7440-02-0	32.6	0.368	1.11	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.212	0.557	mg/kg	1
06972	Zinc	7440-66-6	253.	0.512	2.23	mg/kg	1
00111	Moisture	n.a.	11.1	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.20	0.54	mg/kg	1
05912	Phenols	n.a.	N.D.	1.3	3.9	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000956	0.00467	mg/kg	5
01219	Heptachlor	76-44-8	0.00107 J	0.000956	0.00467	mg/kg	5
01220	Aldrin	309-00-2	N.D.	0.000956	0.00467	mg/kg	5
01221	p,p-DDT	50-29-3	0.00785 J	0.00186	0.00956	mg/kg	5
01222	Dieldrin	60-57-1	N.D.	0.00186	0.00956	mg/kg	5
01223	Endrin	72-20-8	N.D.	0.00186	0.00956	mg/kg	5
01859	Methoxychlor	72-43-5	N.D.	0.00956	0.0467	mg/kg	5
01981	Alpha BHC	319-84-6	0.00126 J	0.000956	0.00467	mg/kg	5
01982	Beta BHC	319-85-7	N.D.	0.000956	0.00467	mg/kg	5
01983	Delta BHC	319-86-8	N.D.	0.00118	0.00467	mg/kg	5
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000956	0.00467	mg/kg	5
01985	p,p-DDE	72-55-9	N.D.	0.00186	0.00956	mg/kg	5
01986	p,p-DDD	72-54-8	0.00435 J	0.00186	0.00956	mg/kg	5
01987	Chlordane	57-74-9	N.D.	0.0225	0.0956	mg/kg	5
01988	Toxaphene	8001-35-2	N.D.	0.0619	0.186	mg/kg	5
01989	Endosulfan I	959-98-8	N.D.	0.000956	0.00467	mg/kg	5
01990	Endosulfan II	33213-65-9	N.D.	0.00186	0.00956	mg/kg	5
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00186	0.00956	mg/kg	5
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00186	0.00956	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102941



**Lancaster Laboratories Sample No. SW 4589756**
**05-MET-056 Grab Soil Sample**
**N(4.5'-5')**
**Former Metro Container Investigation**

Collected: 08/23/2005 11:10

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-056

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.0416	0.0956	mg/kg	5
01994	PCB-1221	11104-28-2	N.D.	0.0186	0.0956	mg/kg	5
01995	PCB-1232	11141-16-5	N.D.	0.0270	0.0956	mg/kg	5
01996	PCB-1242	53469-21-9	N.D.	0.0169	0.0956	mg/kg	5
01997	PCB-1248	12672-29-6	N.D.	0.0619	0.186	mg/kg	5
01998	PCB-1254	11097-69-1	N.D.	0.0186	0.0956	mg/kg	5
01999	PCB-1260	11096-82-5	N.D.	0.0619	0.186	mg/kg	5

Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.11	0.37	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.037	0.19	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.037	0.19	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.037	0.19	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.037	0.19	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.037	0.19	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.075	0.19	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.037	0.19	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.19	0.56	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.075	0.19	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.19	0.56	mg/kg	1
01195	Pyrene	129-00-0	0.22	0.037	0.19	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.037	0.19	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.037	0.19	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.11	0.19	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.037	0.19	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.037	0.19	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.75	2.2	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.19	0.56	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.075	0.19	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.037	0.19	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.037	0.19	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.037	0.19	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.037	0.19	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.037	0.19	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.037	0.19	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.037	0.19	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.037	0.19	mg/kg	1
03761	Naphthalene	91-20-3	0.039 J	0.037	0.19	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102942

Lancaster Laboratories Sample No. SW 4589756

05-MET-056 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/23/2005 11:10

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-056

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.075	0.19	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.19	0.56	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.037	0.19	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.037	0.19	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.075	0.19	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.037	0.19	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.037	0.19	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.037	0.19	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.075	0.19	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.037	0.19	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.037	0.19	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.037	0.19	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.037	0.19	mg/kg	1
03775	Phenanthrene	85-01-8	0.14 J	0.037	0.19	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.037	0.19	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.075	0.19	mg/kg	1
03778	Fluoranthene	206-44-0	0.15 J	0.037	0.19	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.75	2.2	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.075	0.19	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.078 J	0.037	0.19	mg/kg	1
03782	Chrysene	218-01-9	0.14 J	0.037	0.19	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.11	0.37	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.075	0.37	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.075	0.19	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	0.11 J	0.037	0.19	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.045 J	0.037	0.19	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.071 J	0.037	0.19	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.045 J	0.037	0.19	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.037	0.19	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.081 J	0.037	0.19	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.007	mg/kg	1.25
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0007	0.007	mg/kg	1.25

\*=This limit was used in the evaluation of the final result

AR102943

Lancaster Laboratories Sample No. SW 4589756

05-MET-056 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/23/2005 11:10

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-056

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.028	0.14	mg/kg	1.25
05444	Chloromethane	74-87-3	N.D.	0.003	0.007	mg/kg	1.25
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.007	mg/kg	1.25
05446	Bromomethane	74-83-9	N.D.	0.003	0.007	mg/kg	1.25
05447	Chloroethane	75-00-3	N.D.	0.003	0.007	mg/kg	1.25
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.007	mg/kg	1.25
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.007	mg/kg	1.25
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.007	mg/kg	1.25
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.007	mg/kg	1.25
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.007	mg/kg	1.25
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.007	mg/kg	1.25
05455	Chloroform	67-66-3	N.D.	0.001	0.007	mg/kg	1.25
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.007	mg/kg	1.25
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.007	mg/kg	1.25
05460	Benzene	71-43-2	N.D.	0.0007	0.007	mg/kg	1.25
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.007	mg/kg	1.25
05462	Trichloroethene	79-01-6	N.D.	0.001	0.007	mg/kg	1.25
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.007	mg/kg	1.25
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.007	mg/kg	1.25
05466	Toluene	108-88-3	N.D.	0.001	0.007	mg/kg	1.25
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.007	mg/kg	1.25
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.007	mg/kg	1.25
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.007	mg/kg	1.25
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.007	mg/kg	1.25
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.007	mg/kg	1.25
05478	Bromoform	75-25-2	N.D.	0.001	0.007	mg/kg	1.25
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.007	mg/kg	1.25
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.007	mg/kg	1.25
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.007	mg/kg	1.25
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.007	mg/kg	1.25
07586	Acrolein	107-02-8	N.D.	0.028	0.14	mg/kg	1.25
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.028	mg/kg	1.25

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

\*=This limit was used in the evaluation of the final result

AR102944

Lancaster Laboratories Sample No. SW 4589756

05-MET-056 Grab Soil Sample

N(4.5'-5')

Former Metro Container Investigation

Collected: 08/23/2005 11:10

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-056

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 14:05	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/26/2005 01:02	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 13:33	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/30/2005 19:44	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 23:35	[REDACTED]	5
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 14:23	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 16:12	[REDACTED]	1.25
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 16:12	[REDACTED]	1.25
00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/26/2005 09:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102945

**Lancaster Laboratories Sample No. SW 4589756****05-MET-056 Grab Soil Sample****N(4.5'-5')****Former Metro Container Investigation**

Collected: 08/23/2005 11:10

by

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-056

06171 GC/MS - Field Preserved SW-846 5035

1 08/24/2005 11:06

1

MeOH

08389 GC/MS - LL Encore Prep SW-846 5035

1 08/24/2005 08:10

n.a.

08389 GC/MS - LL Encore Prep SW-846 5035

2 08/24/2005 08:10

n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4589756  
 Sample wt/vol: 4.0 (g/mL) g      Lab File ID: HP09193.i/05aug31a.b/xg31s06.d  
 Level: (low/med) LOW      Date Received: 08/23/05  
 % Moisture: not dec. 11      Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.042	J B
2.	Unknown siloxane	13.57	0.008	J B
3.				
4.				
5.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102947

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589756  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0987.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 11 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 23 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	2.659	.21	JA
2.140-76-1	Pyridine, 5-ethenyl-2-methyl	4.485	1.3	J
3.	Aniline, N-methyl-	4.658	.19	JX
4.93-61-8	Formamide, N-methyl-N-phenyl	5.863	.49	J
5.	Naphthalene, 2,3,6-trimethyl	7.031	.22	JX
6.	Unknown Alkane	7.621	1.8	J
7.	Unknown Alkane	7.996	.23	J
8.	Unknown	8.236	1.6	J
9.	Unknown Alkane	8.353	.35	J
10.	Unknown Alkane	8.691	.28	J
11.	Unknown Alkane	9.017	.67	J
12.	Unknown Alkane	9.632	1.9	J
13.	Unknown	9.841	2.8	J
14.	Unknown	10.025	.82	J
15.	Unknown Alkane	10.210	4.7	J
16.	Unknown Alkane	10.493	.87	J
17.	Unknown	10.591	.24	J
18.	Unknown Alkane	10.769	1.8	J
19.	Unknown	11.052	1.9	J
20.	Unknown	11.114	.27	J
21.	Unknown	11.175	.23	J
22.	Unknown Alkane	11.335	.15	J
23.	Unknown Alkane	12.018	.19	J
24.				
25.				
26.				
27.				
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29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102948

Lancaster Laboratories Sample No. SW 4589757

05-MET-056S Grab Soil Sample

N(0.5'-1')

Former Metro Container Investigation

Collected: 08/23/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-56S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	1.53	0.0167	0.625	mg/kg	5
06925	Thallium	7440-28-0	6.13	1.22	2.54	mg/kg	1
06935	Arsenic	7440-38-2	19.0	0.850	2.54	mg/kg	1
06936	Selenium	7782-49-2	1.88 J	1.22	2.54	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.04	2.54	mg/kg	1
06947	Beryllium	7440-41-7	1.09	0.0546	0.635	mg/kg	1
06949	Cadmium	7440-43-9	2.08	0.109	0.635	mg/kg	1
06951	Chromium	7440-47-3	241.	0.673	1.90	mg/kg	1
06953	Copper	7440-50-8	284.	0.381	1.27	mg/kg	1
06955	Lead	7439-92-1	270.	0.990	2.54	mg/kg	1
06961	Nickel	7440-02-0	66.5	0.419	1.27	mg/kg	1
06966	Silver	7440-22-4	0.810	0.241	0.635	mg/kg	1
06972	Zinc	7440-66-6	1,240.	0.584	2.54	mg/kg	1
00111	Moisture	n.a.	22.0	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.23	0.63	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00436	0.0213	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00436	0.0213	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00436	0.0213	mg/kg	20
01221	p,p-DDT	50-29-3	3.14	0.0846	0.436	mg/kg	200
01222	Dieldrin	60-57-1	N.D.	0.00846	0.0436	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00846	0.0436	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0436	0.213	mg/kg	20
01981	Alpha BHC	319-84-6	0.00608 J	0.00436	0.0213	mg/kg	20
01982	Beta BHC	319-85-7	0.0105 J	0.00436	0.0213	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00538	0.0213	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0245	0.0245	mg/kg	20
01985	p,p-DDE	72-55-9	0.198	0.00846	0.0436	mg/kg	20
01986	p,p-DDD	72-54-8	2.34	0.0846	0.436	mg/kg	200
01987	Chlordane	57-74-9	N.D.	0.103	0.436	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.282	0.846	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00436	0.0213	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00846	0.0436	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00846	0.0436	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0436	0.0436	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102949



Lancaster Laboratories Sample No. SW 4589757

05-MET-056S Grab Soil Sample

N(0.5'-1')

Former Metro Container Investigation

Collected: 08/23/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-56S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.190	0.436	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0846	0.436	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.123	0.436	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0769	0.436	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.282	0.846	mg/kg	20
01998	PCB-1254	11097-69-1	0.533	0.0846	0.436	mg/kg	20
01999	PCB-1260	11096-82-5	0.992	0.282	0.846	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for heptachlor epoxide and endrin aldehyde.

Despite cleanup methods, we were unable to reach our usual reporting limits.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.64	2.1	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.21	1.1	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.21	1.1	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.21	1.1	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.21	1.1	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.21	1.1	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.43	1.1	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.21	1.1	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.1	3.2	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.43	1.1	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.1	3.2	mg/kg	5
01195	Pyrene	129-00-0	0.33 J	0.21	1.1	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.21	1.1	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.21	1.1	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.64	1.1	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.21	1.1	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.21	1.1	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	4.3	13.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.1	3.2	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.43	1.1	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.21	1.1	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.21	1.1	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.21	1.1	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.21	1.1	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102950

Lancaster Laboratories Sample No. SW 4589757

05-MET-056S Grab Soil Sample

N(0.5'-1')

Former Metro Container Investigation

Collected: 08/23/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-56S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03757	Hexachloroethane	67-72-1	N.D.	0.21	1.1	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.21	1.1	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.21	1.1	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.21	1.1	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.21	1.1	mg/kg	5
03762	Hexachlorobutadiene	87-68-3	N.D.	0.43	1.1	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.1	3.2	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.21	1.1	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.21	1.1	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.43	1.1	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.21	1.1	mg/kg	5
03768	Fluorene	86-73-7	N.D.	0.21	1.1	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.21	1.1	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.43	1.1	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.21	1.1	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.21	1.1	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.21	1.1	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.21	1.1	mg/kg	5
03775	Phenanthrene	85-01-8	N.D.	0.21	1.1	mg/kg	5
03776	Anthracene	120-12-7	N.D.	0.21	1.1	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.43	1.1	mg/kg	5
03778	Fluoranthene	206-44-0	0.26 J	0.21	1.1	mg/kg	5
03779	Benzidine	92-87-5	N.D.	4.3	13.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.43	1.1	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	0.57 J	0.21	1.1	mg/kg	5
03782	Chrysene	218-01-9	0.83 J	0.21	1.1	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.64	2.1	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.43	2.1	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.43	1.1	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	0.76 J	0.21	1.1	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.21	1.1	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	0.61 J	0.21	1.1	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.40 J	0.21	1.1	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	0.53 J	0.21	1.1	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	1.0 J	0.21	1.1	mg/kg	5

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

\*=This limit was used in the evaluation of the final result

AR102951

Lancaster Laboratories Sample No. SW 4589757

05-MET-056S Grab Soil Sample

N(0.5'-1')

Former Metro Container Investigation

Collected: 08/23/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-56S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.008	mg/kg	1.25
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0008	0.008	mg/kg	1.25
02020	t-Butyl alcohol	75-65-0	N.D.	0.032	0.16	mg/kg	1.25
05444	Chloromethane	74-87-3	N.D.	0.003	0.008	mg/kg	1.25
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.008	mg/kg	1.25
05446	Bromomethane	74-83-9	N.D.	0.003	0.008	mg/kg	1.25
05447	Chloroethane	75-00-3	N.D.	0.003	0.008	mg/kg	1.25
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.008	mg/kg	1.25
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.008	mg/kg	1.25
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.008	mg/kg	1.25
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.008	mg/kg	1.25
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.008	mg/kg	1.25
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.008	mg/kg	1.25
05455	Chloroform	67-66-3	N.D.	0.002	0.008	mg/kg	1.25
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.008	mg/kg	1.25
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.008	mg/kg	1.25
05460	Benzene	71-43-2	N.D.	0.0008	0.008	mg/kg	1.25
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.008	mg/kg	1.25
05462	Trichloroethene	79-01-6	N.D.	0.002	0.008	mg/kg	1.25
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.008	mg/kg	1.25
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.008	mg/kg	1.25
05466	Toluene	108-88-3	N.D.	0.002	0.008	mg/kg	1.25
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.008	mg/kg	1.25
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.008	mg/kg	1.25
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.008	mg/kg	1.25
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.008	mg/kg	1.25
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.008	mg/kg	1.25
05478	Bromoform	75-25-2	N.D.	0.002	0.008	mg/kg	1.25
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.008	mg/kg	1.25
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.008	mg/kg	1.25
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.008	mg/kg	1.25
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.008	mg/kg	1.25
07586	Acrolein	107-02-8	N.D.	0.032	0.16	mg/kg	1.25
07587	Acrylonitrile	107-13-1	N.D.	0.006	0.032	mg/kg	1.25

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported

\*=This limit was used in the evaluation of the final result

AR102952

Lancaster Laboratories Sample No. SW 4589757

05-MET-056S Grab Soil Sample

N(0.5'-1')

Former Metro Container Investigation

Collected: 08/23/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-56S

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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in this sample due to the acid preservation of the samples and standards.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 14:16	[REDACTED]	5
06925	Thallium	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/26/2005 01:07	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 13:34	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/30/2005 19:46	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 23:55	[REDACTED]	20
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/27/2005 00:16	[REDACTED]	200

\*=This limit was used in the evaluation of the final result

AR102953

**Lancaster Laboratories Sample No. SW 4589757**

**05-MET-056S Grab Soil Sample**

**N(0.5'-1')**

**Former Metro Container Investigation**

Collected: 08/23/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:05

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-56S

04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 14:45	[REDACTED]	5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 16:35	[REDACTED]	1.25
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 16:35	[REDACTED]	1.25
00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/26/2005 09:40	[REDACTED]	1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:07	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/24/2005 08:11	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/24/2005 08:11	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4589757  
 Sample wt/vol: 4.0 (g/mL) g      Lab File ID: HP09193.i/05aug31a.b/xg31s07.d  
 Level: (low/med) LOW      Date Received: 08/23/05  
 % Moisture: not dec. 22      Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (mg/L or mg/Kg) mg/Kg

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	3.59	0.017	J
2.	Unknown siloxane	12.26	0.03	J B
3.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102955

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589757  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0988.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 22 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 11 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown Alkane	9.017	1.1	J
2.	!Unknown	9.669	.95	J
3.	!Unknown Alkane	10.210	1.0	J
4.	!Triphenylene, 2-methyl-	10.683	2.5	JX
5.	!Unknown	10.794	2.1	J
6.	!Benzo[c]phenanthrene, 5,8-di	10.985	1.8	JX
7.	!Benzo[c]phenanthrene, 5,8-di	11.058	1.2	JX
8.	!Benzo[a]pyrene	11.501	1.6	JX
9.	!Perylene, 3-methyl-	11.870	1.3	JX
10.	!Unknown	11.901	.87	J
11.	!Unknown	11.962	.90	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102956

Lancaster Laboratories Sample No. SW 4589758

05-MET-052V Grab Soil Sample  
N(15'-15.5')  
Former Metro Container Investigation

Collected: 08/23/2005 07:20

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:06  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-52V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0030	0.113	mg/kg	1
06925	Thallium	7440-28-0	N.D.	1.13	2.35	mg/kg	1
06935	Arsenic	7440-38-2	1.16 J	0.788	2.35	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.13	2.35	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.964	2.35	mg/kg	1
06947	Beryllium	7440-41-7	0.502 J	0.0506	0.588	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.101	0.588	mg/kg	1
06951	Chromium	7440-47-3	25.4	0.623	1.76	mg/kg	1
06953	Copper	7440-50-8	6.76	0.353	1.18	mg/kg	1
06955	Lead	7439-92-1	7.84	0.917	2.35	mg/kg	1
06961	Nickel	7440-02-0	11.3	0.388	1.18	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.223	0.588	mg/kg	1
06972	Zinc	7440-66-6	26.9	0.541	2.35	mg/kg	1
00111	Moisture	n.a.	15.8	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.57	mg/kg	1
05912	Phenols	n.a.	N.D.	1.4	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000202	0.000986	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000202	0.000986	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000202	0.000986	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000392	0.00202	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000392	0.00202	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000392	0.00202	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00202	0.00986	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000202	0.000986	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000202	0.000986	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000249	0.000986	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000202	0.000986	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000392	0.00202	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000392	0.00202	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00475	0.0202	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0131	0.0392	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000202	0.000986	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000392	0.00202	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000392	0.00202	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000392	0.00202	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102957



**Lancaster Laboratories Sample No. SW 4589758**
**05-MET-052V Grab Soil Sample  
N(15'-15.5')  
Former Metro Container Investigation**

Collected: 08/23/2005 07:20

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:06  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-52V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00879	0.0202	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00392	0.0202	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00570	0.0202	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00356	0.0202	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0131	0.0392	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00392	0.0202	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0131	0.0392	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.40	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.040	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.040	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.040	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.040	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.040	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.079	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.040	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.59	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.079	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.59	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.040	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.040	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.040	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.040	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.040	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.79	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.59	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.079	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.040	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.040	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.040	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.040	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.040	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.040	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.040	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.040	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.040	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.079	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.59	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102958

Lancaster Laboratories Sample No. SW 4589758

05-MET-052V Grab Soil Sample

N(15'-15.5')

Former Metro Container Investigation

Collected: 08/23/2005 07:20

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:06

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-52V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.040	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.040	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.079	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.040	0.20	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.040	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.040	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.079	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.040	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.040	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.040	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.040	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.040	0.20	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.040	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.079	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.040	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.79	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.079	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.040	0.20	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.040	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.40	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.079	0.40	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.079	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.040	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.040	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.040	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.040	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.040	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.040	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.92
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.92
02020	t-Butyl alcohol	75-65-0	N.D.	0.022	0.11	mg/kg	0.92
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.92

\*=This limit was used in the evaluation of the final result

AR102959

Lancaster Laboratories Sample No. SW 4589758

05-MET-052V Grab Soil Sample

N(15'-15.5')

Former Metro Container Investigation

Collected: 08/23/2005 07:20

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:06

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-52V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.92
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.92
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.92
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.92
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.92
05450	Methylene Chloride	75-09-2	0.003 J	0.002	0.005	mg/kg	0.92
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.92
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	0.92
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.92
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.92
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.92
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.92
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	0.92
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.92
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.92
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.92
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.92
05466	Toluene	108-88-3	N.D.	0.001	0.005	mg/kg	0.92
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.92
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.92
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.92
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.92
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.005	mg/kg	0.92
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.92
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.92
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.92
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.92
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	mg/kg	0.92
07586	Acrolein	107-02-8	N.D.	0.022	0.11	mg/kg	0.92
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.022	mg/kg	0.92

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The percent recovery for t-butyl alcohol was outside QC limits high in the LCS associated with this sample. Since the recovery was high and this compound was not detected in the sample, no further action was taken.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102960

Lancaster Laboratories Sample No. SW 4589758

05-MET-052V Grab Soil Sample

N(15'-15.5')

Former Metro Container Investigation

Collected: 08/23/2005 07:20

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:06

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-52V

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 14:07	[REDACTED]	1
06925	Thallium	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
06935	Arsenic	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
06936	Selenium	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
06944	Antimony	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
06947	Beryllium	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
06949	Cadmium	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
06951	Chromium	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
06953	Copper	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
06955	Lead	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
06961	Nickel	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
06966	Silver	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
06972	Zinc	SW-846 6010B	1	08/26/2005 01:12	[REDACTED]	1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18	[REDACTED]	1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 13:36	[REDACTED]	1
05912	Phenols	SW846 9066	1	08/30/2005 19:47	[REDACTED]	1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/27/2005 00:36	[REDACTED]	1
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 15:07	[REDACTED]	1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 22:12	[REDACTED]	0.92
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 22:12	[REDACTED]	0.92
00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00	[REDACTED]	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10	[REDACTED]	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00	[REDACTED]	1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/26/2005 09:40	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102961

**Lancaster Laboratories Sample No. SW 4589758**

**05-MET-052V Grab Soil Sample**

**N(15'-15.5')**

**Former Metro Container Investigation**

Collected: 08/23/2005 07:20

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:06

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-52V

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20	[REDACTED]	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00	[REDACTED]	1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:08	[REDACTED]	1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/24/2005 08:12	[REDACTED]	n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/24/2005 08:12	[REDACTED]	n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL      Lab Sample ID: 4589758  
 Sample wt/vol: 5.45 (g/mL) g      Lab File ID: HP09193.i/05aug31a.b/xg31s20.d  
 Level: (low/med) LOW      Date Received: 08/23/05  
 % Moisture: not dec. 16      Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) mg/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.011	J B
2.				
3.				
4.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102963

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589758  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0989.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 16 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 8 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.141-79-7	3-Penten-2-one, 4-methyl-	2.666	.16	JA
2.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.016	.21	JAB
3.	Unknown	3.563	.17	J
4.	Unknown	6.748	1.7	J
5.	Unknown	9.226	.26	J
6.	Unknown	9.841	.53	J
7.	Unknown	11.028	.17	J
8.	Unknown Alkane	11.335	.16	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102964

Lancaster Laboratories Sample No. SW 4589759

05-MET-133 Grab Soil Sample  
N(8-8.5)  
Former Metro Container Investigation

Collected: 08/23/2005 07:45

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:06  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-133

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.664	0.0040	0.150	mg/kg	1
06925	Thallium	7440-28-0	6.10	1.49	3.10	mg/kg	1
06935	Arsenic	7440-38-2	12.4	1.04	3.10	mg/kg	1
06936	Selenium	7782-49-2	2.09 J	1.49	3.10	mg/kg	1
06944	Antimony	7440-36-0	N.D.	1.27	3.10	mg/kg	1
06947	Beryllium	7440-41-7	0.888	0.0667	0.776	mg/kg	1
06949	Cadmium	7440-43-9	1.16	0.133	0.776	mg/kg	1
06951	Chromium	7440-47-3	117.	0.822	2.33	mg/kg	1
06953	Copper	7440-50-8	155.	0.466	1.55	mg/kg	1
06955	Lead	7439-92-1	405.	1.21	3.10	mg/kg	1
06961	Nickel	7440-02-0	55.9	0.512	1.55	mg/kg	1
06966	Silver	7440-22-4	4.26	0.295	0.776	mg/kg	1
06972	Zinc	7440-66-6	950.	0.714	3.10	mg/kg	1
00111	Moisture	n.a.	36.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.28	0.76	mg/kg	1
05912	Phenols	n.a.	N.D.	1.9	5.5	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.0266	0.130	mg/kg	100
01219	Heptachlor	76-44-8	N.D.	0.0266	0.130	mg/kg	100
01220	Aldrin	309-00-2	N.D.	0.0266	0.130	mg/kg	100
01221	p,p-DDT	50-29-3	32.5	2.59	13.3	mg/kg	5000
01222	Dieldrin	60-57-1	0.0549 J	0.0517	0.266	mg/kg	100
01223	Endrin	72-20-8	N.D.	0.0517	0.266	mg/kg	100
01859	Methoxychlor	72-43-5	N.D.	0.266	1.30	mg/kg	100
01981	Alpha BHC	319-84-6	N.D.	0.0266	0.130	mg/kg	100
01982	Beta BHC	319-85-7	N.D.	0.0266	0.130	mg/kg	100
01983	Delta BHC	319-86-8	N.D.	0.0329	0.130	mg/kg	100
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.0266	0.130	mg/kg	100
01985	p,p-DDE	72-55-9	0.830	0.0517	0.266	mg/kg	100
01986	p,p-DDD	72-54-8	52.2	2.59	13.3	mg/kg	5000
01987	Chlordane	57-74-9	N.D.	0.627	2.66	mg/kg	100
01988	Toxaphene	8001-35-2	N.D.	1.72	5.17	mg/kg	100
01989	Endosulfan I	959-98-8	N.D.	0.0266	0.130	mg/kg	100
01990	Endosulfan II	33213-65-9	N.D.	0.0517	0.266	mg/kg	100
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.0517	0.266	mg/kg	100
01992	Endrin Aldehyde	7421-93-4	N.D.	0.0517	0.266	mg/kg	100

\*=This limit was used in the evaluation of the final result

AR102965



**Lancaster Laboratories Sample No. SW 4589759**

**05-MET-133 Grab Soil Sample  
N(8-8.5)  
Former Metro Container Investigation**

Collected: 08/23/2005 07:45

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:06  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-133

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	1.16	2.66	mg/kg	100
01994	PCB-1221	11104-28-2	N.D.	0.517	2.66	mg/kg	100
01995	PCB-1232	11141-16-5	N.D.	0.752	2.66	mg/kg	100
01996	PCB-1242	53469-21-9	N.D.	0.470	2.66	mg/kg	100
01997	PCB-1248	12672-29-6	N.D.	1.72	5.17	mg/kg	100
01998	PCB-1254	11097-69-1	N.D.	0.517	2.66	mg/kg	100
01999	PCB-1260	11096-82-5	N.D.	1.72	5.17	mg/kg	100

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.78	2.6	mg/kg	5
01185	Phenol	108-95-2	N.D.	0.26	1.3	mg/kg	5
01186	2-Chlorophenol	95-57-8	N.D.	0.26	1.3	mg/kg	5
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.26	1.3	mg/kg	5
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.26	1.3	mg/kg	5
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.26	1.3	mg/kg	5
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.52	1.3	mg/kg	5
01191	Acenaphthene	83-32-9	N.D.	0.26	1.3	mg/kg	5
01192	4-Nitrophenol	100-02-7	N.D.	1.3	3.9	mg/kg	5
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.52	1.3	mg/kg	5
01194	Pentachlorophenol	87-86-5	N.D.	1.3	3.9	mg/kg	5
01195	Pyrene	129-00-0	2.4	0.26	1.3	mg/kg	5
02751	1-Methylnaphthalene	90-12-0	N.D.	0.26	1.3	mg/kg	5
03746	2-Nitrophenol	88-75-5	N.D.	0.26	1.3	mg/kg	5
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.78	1.3	mg/kg	5
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.26	1.3	mg/kg	5
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.26	1.3	mg/kg	5
03750	2,4-Dinitrophenol	51-28-5	N.D.	5.2	16.	mg/kg	5
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	1.3	3.9	mg/kg	5
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.52	1.3	mg/kg	5
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.26	1.3	mg/kg	5
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.26	1.3	mg/kg	5
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.26	1.3	mg/kg	5
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.26	1.3	mg/kg	5
03757	Hexachloroethane	67-72-1	N.D.	0.26	1.3	mg/kg	5
03758	Nitrobenzene	98-95-3	N.D.	0.26	1.3	mg/kg	5
03759	Isophorone	78-59-1	N.D.	0.26	1.3	mg/kg	5
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.26	1.3	mg/kg	5
03761	Naphthalene	91-20-3	N.D.	0.26	1.3	mg/kg	5

\*=This limit was used in the evaluation of the final result

AR102966

Lancaster Laboratories Sample No. SW 4589759

05-MET-133 Grab Soil Sample  
N(8-8.5)  
Former Metro Container Investigation

Collected: 08/23/2005 07:45

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:06  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-133

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.52	1.3	mg/kg	5
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	1.3	3.9	mg/kg	5
03764	2-Chloronaphthalene	91-58-7	N.D.	0.26	1.3	mg/kg	5
03765	Acenaphthylene	208-96-8	N.D.	0.26	1.3	mg/kg	5
03766	Dimethylphthalate	131-11-3	N.D.	0.52	1.3	mg/kg	5
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.26	1.3	mg/kg	5
03768	Fluorene	86-73-7	0.29 J	0.26	1.3	mg/kg	5
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.26	1.3	mg/kg	5
03770	Diethylphthalate	84-66-2	N.D.	0.52	1.3	mg/kg	5
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.26	1.3	mg/kg	5
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.26	1.3	mg/kg	5
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.26	1.3	mg/kg	5
03774	Hexachlorobenzene	118-74-1	N.D.	0.26	1.3	mg/kg	5
03775	Phenanthrene	85-01-8	2.6	0.26	1.3	mg/kg	5
03776	Anthracene	120-12-7	0.48 J	0.26	1.3	mg/kg	5
03777	Di-n-butylphthalate	84-74-2	N.D.	0.52	1.3	mg/kg	5
03778	Fluoranthene	206-44-0	2.7	0.26	1.3	mg/kg	5
03779	Benzidine	92-87-5	N.D.	5.2	16.	mg/kg	5
03780	Butylbenzylphthalate	85-68-7	N.D.	0.52	1.3	mg/kg	5
03781	Benzo(a)anthracene	56-55-3	1.2 J	0.26	1.3	mg/kg	5
03782	Chrysene	218-01-9	1.4	0.26	1.3	mg/kg	5
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.78	2.6	mg/kg	5
03784	bis(2-Ethylhexyl)phthalate	117-81-7	2.0 J	0.52	2.6	mg/kg	5
03785	Di-n-octylphthalate	117-84-0	N.D.	0.52	1.3	mg/kg	5
03786	Benzo(b)fluoranthene	205-99-2	1.6	0.26	1.3	mg/kg	5
03787	Benzo(k)fluoranthene	207-08-9	0.61 J	0.26	1.3	mg/kg	5
03788	Benzo(a)pyrene	50-32-8	1.1 J	0.26	1.3	mg/kg	5
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.68 J	0.26	1.3	mg/kg	5
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.26	1.3	mg/kg	5
03791	Benzo(g,h,i)perylene	191-24-2	0.82 J	0.26	1.3	mg/kg	5
Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.							
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.002	0.009	mg/kg	1.11

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. SW 4589759**

**05-MET-133 Grab Soil Sample  
N(8-8.5)  
Former Metro Container Investigation**

Collected: 08/23/2005 07:45

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:06  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-133

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0009	0.009	mg/kg	1.11
02020	t-Butyl alcohol	75-65-0	N.D.	0.035	0.17	mg/kg	1.11
05444	Chloromethane	74-87-3	N.D.	0.003	0.009	mg/kg	1.11
05445	Vinyl Chloride	75-01-4	N.D.	0.002	0.009	mg/kg	1.11
05446	Bromomethane	74-83-9	N.D.	0.003	0.009	mg/kg	1.11
05447	Chloroethane	75-00-3	N.D.	0.003	0.009	mg/kg	1.11
05448	Trichlorofluoromethane	75-69-4	N.D.	0.003	0.009	mg/kg	1.11
05449	1,1-Dichloroethene	75-35-4	N.D.	0.002	0.009	mg/kg	1.11
05450	Methylene Chloride	75-09-2	N.D.	0.003	0.009	mg/kg	1.11
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	0.009	mg/kg	1.11
05452	1,1-Dichloroethane	75-34-3	N.D.	0.002	0.009	mg/kg	1.11
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	0.009	mg/kg	1.11
05455	Chloroform	67-66-3	N.D.	0.002	0.009	mg/kg	1.11
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	0.009	mg/kg	1.11
05458	Carbon Tetrachloride	56-23-5	N.D.	0.002	0.009	mg/kg	1.11
05460	Benzene	71-43-2	N.D.	0.0009	0.009	mg/kg	1.11
05461	1,2-Dichloroethane	107-06-2	N.D.	0.002	0.009	mg/kg	1.11
05462	Trichloroethene	79-01-6	N.D.	0.002	0.009	mg/kg	1.11
05463	1,2-Dichloropropane	78-87-5	N.D.	0.002	0.009	mg/kg	1.11
05465	Bromodichloromethane	75-27-4	N.D.	0.002	0.009	mg/kg	1.11
05466	Toluene	108-88-3	N.D.	0.002	0.009	mg/kg	1.11
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	0.009	mg/kg	1.11
05468	Tetrachloroethene	127-18-4	N.D.	0.002	0.009	mg/kg	1.11
05470	Dibromochloromethane	124-48-1	N.D.	0.002	0.009	mg/kg	1.11
05472	Chlorobenzene	108-90-7	N.D.	0.002	0.009	mg/kg	1.11
05474	Ethylbenzene	100-41-4	N.D.	0.002	0.009	mg/kg	1.11
05478	Bromoform	75-25-2	N.D.	0.002	0.009	mg/kg	1.11
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	0.009	mg/kg	1.11
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	0.009	mg/kg	1.11
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	0.009	mg/kg	1.11
06301	Xylene (Total)	1330-20-7	N.D.	0.002	0.009	mg/kg	1.11
07586	Acrolein	107-02-8	N.D.	0.035	0.17	mg/kg	1.11
07587	Acrylonitrile	107-13-1	N.D.	0.007	0.035	mg/kg	1.11

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The percent recovery for t-butyl alcohol was outside QC limits high in the LCS associated with this sample. Since the recovery was high and this compound was not detected in the sample, no further action was taken.

\*=This limit was used in the evaluation of the final result

AR102968

**Lancaster Laboratories Sample No. SW 4589759**
**05-MET-133 Grab Soil Sample  
N(8-8.5)  
Former Metro Container Investigation**

Collected: 08/23/2005 07:45

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:06

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-133

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The GC/MS volatile internal standard peak areas were outside the QC limits for both the initial analysis and the re-analysis. The values reported here are from the initial analysis of the sample.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 14:09		1
06925	Thallium	SW-846 6010B	1	08/26/2005 01:17		1
06935	Arsenic	SW-846 6010B	1	08/26/2005 01:17		1
06936	Selenium	SW-846 6010B	1	08/26/2005 01:17		1
06944	Antimony	SW-846 6010B	1	08/26/2005 01:17		1
06947	Beryllium	SW-846 6010B	1	08/26/2005 01:17		1
06949	Cadmium	SW-846 6010B	1	08/26/2005 01:17		1
06951	Chromium	SW-846 6010B	1	08/26/2005 01:17		1
06953	Copper	SW-846 6010B	1	08/26/2005 01:17		1
06955	Lead	SW-846 6010B	1	08/26/2005 01:17		1
06961	Nickel	SW-846 6010B	1	08/26/2005 01:17		1
06966	Silver	SW-846 6010B	1	08/26/2005 01:17		1
06972	Zinc	SW-846 6010B	1	08/26/2005 01:17		1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18		1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 13:37		1
05912	Phenols	SW846 9066	1	08/30/2005 19:48		1

\*=This limit was used in the evaluation of the final result

AR102969

**Lancaster Laboratories Sample No. SW 4589759**

**05-MET-133 Grab Soil Sample**

**N(8-8.5)**

**Former Metro Container Investigation**

Collected: 08/23/2005 07:45

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:06

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-133

01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/27/2005 00:57		100
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/29/2005 10:30		5000
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 15:29		5
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 22:35		1.11
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 22:35		1.11
00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/26/2005 09:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:09		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/24/2005 08:13		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/24/2005 08:13		n.a.

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4589759  
 Sample wt/vol: 4.5 (g/mL) g Lab File ID: HP09193.i/05aug31a.b/xg31s21.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: not dec. 36 Date Analyzed: 08/31/05  
 Column: (pack/cap) CAP Dilution Factor: 1.0  
 CONCENTRATION UNITS:  
 (mg/L or mg/Kg) mg/Kg

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.045	J B
2.	Unknown	13.31	0.021	J
3.	Unknown	13.38	0.014	J
4.	Unknown	13.76	0.019	J
5.	Unknown	13.86	0.018	J
6.	Unknown	14.01	0.02	J
7.	Unknown	14.28	0.025	J
8.	Unknown	14.33	0.015	J
9.	Unknown	14.39	0.022	J
10.	Unknown alicyclic	14.48	0.027	J
11.	Unknown	14.59	0.023	J
12.	Unknown	14.65	0.026	J
13.	Unknown	14.72	0.013	J
14.	Unknown	14.80	0.014	J
15.	Unknown	14.85	0.027	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102971

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589759  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0990.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 36 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 5  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.004	18	JAB
2.	Unknown	7.621	3.0	J
3.	Benzene, 1,1'-methylenebis[c	8.353	2.2	JX
4.	Unknown	8.617	1.4	J
5.	Unknown	9.583	5.6	J
6.	Unknown	9.663	7.9	J
7.	Unknown	9.804	1.5	J
8.	Unknown	10.173	5.9	J
9.	Unknown	10.468	22	J
10.	Unknown	10.806	4.3	J
11.	Unknown	10.960	3.9	J
12.	Unknown	11.052	2.7	J
13.	Unknown	11.083	2.6	J
14.	Unknown	11.151	3.4	J
15.	Unknown	11.200	2.3	J
16.	Unknown	11.310	1.8	J
17.	Unknown	11.335	1.9	J
18.	Unknown	11.378	6.1	J
19.	Unknown	11.458	1.8	J
20.	Benz[e]acephenanthrylene	11.501	2.9	JX
21.	Unknown	11.575	1.9	J
22.	Unknown	11.728	2.3	J
23.	Unknown	11.888	2.6	J
24.	Unknown	12.196	1.5	J
25.	Unknown	12.552	2.1	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102972

Lancaster Laboratories Sample No. SW 4589760

05-MET-134 Grab Soil Sample

N(7-7.5)

Former Metro Container Investigation

Collected: 08/23/2005 08:20

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:07

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-134

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	0.274	0.0031	0.115	mg/kg	1
06925	Thallium	7440-28-0	2.89	1.13	2.36	mg/kg	1
06935	Arsenic	7440-38-2	7.51	0.792	2.36	mg/kg	1
06936	Selenium	7782-49-2	1.16 J	1.13	2.36	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.969	2.36	mg/kg	1
06947	Beryllium	7440-41-7	0.955	0.0508	0.591	mg/kg	1
06949	Cadmium	7440-43-9	1.34	0.102	0.591	mg/kg	1
06951	Chromium	7440-47-3	30.6	0.626	1.77	mg/kg	1
06953	Copper	7440-50-8	101.	0.354	1.18	mg/kg	1
06955	Lead	7439-92-1	512.	0.922	2.36	mg/kg	1
06961	Nickel	7440-02-0	21.5	0.390	1.18	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.224	0.591	mg/kg	1
06972	Zinc	7440-66-6	528.	0.543	2.36	mg/kg	1
00111	Moisture	n.a.	16.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.58	mg/kg	1
05912	Phenols	n.a.	1.6 J	1.4	4.2	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.00406	0.0198	mg/kg	20
01219	Heptachlor	76-44-8	N.D.	0.00406	0.0198	mg/kg	20
01220	Aldrin	309-00-2	N.D.	0.00406	0.0198	mg/kg	20
01221	p,p-DDT	50-29-3	0.118	0.00788	0.0406	mg/kg	20
01222	Dieldrin	60-57-1	N.D.	0.00788	0.0406	mg/kg	20
01223	Endrin	72-20-8	N.D.	0.00788	0.0406	mg/kg	20
01859	Methoxychlor	72-43-5	N.D.	0.0406	0.198	mg/kg	20
01981	Alpha BHC	319-84-6	N.D.	0.00406	0.0198	mg/kg	20
01982	Beta BHC	319-85-7	N.D.	0.00406	0.0198	mg/kg	20
01983	Delta BHC	319-86-8	N.D.	0.00501	0.0198	mg/kg	20
01984	Heptachlor Epoxide	1024-57-3	0.00943 J	0.00406	0.0198	mg/kg	20
01985	p,p-DDE	72-55-9	0.190	0.00788	0.0406	mg/kg	20
01986	p,p-DDD	72-54-8	0.0829	0.00788	0.0406	mg/kg	20
01987	Chlordane	57-74-9	N.D.	0.0955	0.406	mg/kg	20
01988	Toxaphene	8001-35-2	N.D.	0.263	0.788	mg/kg	20
01989	Endosulfan I	959-98-8	N.D.	0.00406	0.0198	mg/kg	20
01990	Endosulfan II	33213-65-9	N.D.	0.00788	0.0406	mg/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.00788	0.0406	mg/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.	0.00788	0.0406	mg/kg	20

\*=This limit was used in the evaluation of the final result

AR102973



Lancaster Laboratories Sample No. SW 4589760

05-MET-134 Grab Soil Sample

N(7-7.5)

Former Metro Container Investigation

Collected: 08/23/2005 08:20

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:07

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-134

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.177	0.406	mg/kg	20
01994	PCB-1221	11104-28-2	N.D.	0.0788	0.406	mg/kg	20
01995	PCB-1232	11141-16-5	N.D.	0.115	0.406	mg/kg	20
01996	PCB-1242	53469-21-9	N.D.	0.0716	0.406	mg/kg	20
01997	PCB-1248	12672-29-6	N.D.	0.263	0.788	mg/kg	20
01998	PCB-1254	11097-69-1	N.D.	0.406	0.406	mg/kg	20
01999	PCB-1260	11096-82-5	N.D.	0.788	0.788	mg/kg	20

Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

04688 PPL Semivolatiles

00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.40	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.040	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.040	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.040	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.040	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.040	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.080	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	0.091 J	0.040	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.60	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.080	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.60	mg/kg	1
01195	Pyrene	129-00-0	1.6	0.040	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.040	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.040	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.040	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.040	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.80	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.60	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.080	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.040	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.040	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.040	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.040	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.040	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.040	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.040	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.040	0.20	mg/kg	1
03761	Naphthalene	91-20-3	0.071 J	0.040	0.20	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102974

Lancaster Laboratories Sample No. SW 4589760

05-MET-134 Grab Soil Sample

N(7-7.5)

Former Metro Container Investigation

Collected: 08/23/2005 08:20

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:07

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-134

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03762	Hexachlorobutadiene	87-68-3	N.D.	0.080	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.60	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.040	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	0.20	0.040	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.080	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.040	0.20	mg/kg	1
03768	Fluorene	86-73-7	0.12 J	0.040	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.040	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.080	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.040	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.040	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.040	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.040	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	1.3	0.040	0.20	mg/kg	1
03776	Anthracene	120-12-7	0.32	0.040	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.080	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	1.8	0.040	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.80	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.080	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	0.89	0.040	0.20	mg/kg	1
03782	Chrysene	218-01-9	0.86	0.040	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.40	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.080	0.40	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.080	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	1.2	0.040	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	0.43	0.040	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	0.91	0.040	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	0.62	0.040	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	0.17 J	0.040	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	0.72	0.040	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.006	mg/kg	0.98
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0006	0.006	mg/kg	0.98

\*=This limit was used in the evaluation of the final result

AR102975

Lancaster Laboratories Sample No. SW 4589760

05-MET-134 Grab Soil Sample

N(7-7.5)

Former Metro Container Investigation

Collected: 08/23/2005 08:20

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:07

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-134

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
02020	t-Butyl alcohol	75-65-0	N.D.	0.023	0.12	mg/kg	0.98
05444	Chloromethane	74-87-3	N.D.	0.002	0.006	mg/kg	0.98
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.006	mg/kg	0.98
05446	Bromomethane	74-83-9	N.D.	0.002	0.006	mg/kg	0.98
05447	Chloroethane	75-00-3	N.D.	0.002	0.006	mg/kg	0.98
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.006	mg/kg	0.98
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.006	mg/kg	0.98
05450	Methylene Chloride	75-09-2	N.D.	0.002	0.006	mg/kg	0.98
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.006	mg/kg	0.98
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.006	mg/kg	0.98
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.006	mg/kg	0.98
05455	Chloroform	67-66-3	N.D.	0.001	0.006	mg/kg	0.98
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.006	mg/kg	0.98
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.006	mg/kg	0.98
05460	Benzene	71-43-2	N.D.	0.0006	0.006	mg/kg	0.98
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.006	mg/kg	0.98
05462	Trichloroethene	79-01-6	N.D.	0.001	0.006	mg/kg	0.98
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.006	mg/kg	0.98
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.006	mg/kg	0.98
05466	Toluene	108-88-3	N.D.	0.001	0.006	mg/kg	0.98
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.006	mg/kg	0.98
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.006	mg/kg	0.98
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.006	mg/kg	0.98
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.006	mg/kg	0.98
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.006	mg/kg	0.98
05478	Bromoform	75-25-2	N.D.	0.001	0.006	mg/kg	0.98
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.006	mg/kg	0.98
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.006	mg/kg	0.98
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.006	mg/kg	0.98
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.006	mg/kg	0.98
07586	Acrolein	107-02-8	N.D.	0.023	0.12	mg/kg	0.98
07587	Acrylonitrile	107-13-1	N.D.	0.005	0.023	mg/kg	0.98

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The percent recovery for t-butyl alcohol was outside QC limits high in the LCS associated with this sample. Since the recovery was high and this compound was not detected in the sample, no further action was taken.

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR102976

Lancaster Laboratories Sample No. SW 4589760

05-MET-134 Grab Soil Sample

N(7-7.5)

Former Metro Container Investigation

Collected: 08/23/2005 08:20

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:07

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-134

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 14:11		1
06925	Thallium	SW-846 6010B	1	08/26/2005 01:21		1
06935	Arsenic	SW-846 6010B	1	08/26/2005 01:21		1
06936	Selenium	SW-846 6010B	1	08/26/2005 01:21		1
06944	Antimony	SW-846 6010B	1	08/26/2005 01:21		1
06947	Beryllium	SW-846 6010B	1	08/26/2005 01:21		1
06949	Cadmium	SW-846 6010B	1	08/26/2005 01:21		1
06951	Chromium	SW-846 6010B	1	08/26/2005 01:21		1
06953	Copper	SW-846 6010B	1	08/26/2005 01:21		1
06955	Lead	SW-846 6010B	1	08/26/2005 01:21		1
06961	Nickel	SW-846 6010B	1	08/26/2005 01:21		1
06966	Silver	SW-846 6010B	1	08/26/2005 01:21		1
06972	Zinc	SW-846 6010B	1	08/26/2005 01:21		1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18		1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 13:38		1
05912	Phenols	SW846 9066	1	08/30/2005 19:49		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/27/2005 01:38		20
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 15:51		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 22:57		0.98
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 22:57		0.98
00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00		1

\*=This limit was used in the evaluation of the final result

AR102977

**Lancaster Laboratories Sample No. SW 4589760**

**05-MET-134 Grab Soil Sample**

**N(7-7.5)**

**Former Metro Container Investigation**

Collected: 08/23/2005 08:20

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:07

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-134

05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/26/2005 09:40		1
05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:10		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/24/2005 08:14		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/24/2005 08:14		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4589760	SDG No.: _____
Sample wt/vol: 5.1 (g/mL) g	Lab File ID: HP09193.i/05aug31a.b/xg31s22.d	
Level: (low/med) LOW	Date Received: 08/23/05	
% Moisture: not dec. 16	Date Analyzed: 08/31/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) mg/Kg	

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	10.55	0.008	J
2.	Unknown siloxane	12.26	0.019	J
3.				
4.				
5.				
6.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102979

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589760  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0991.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 16 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonac  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.016	.19	JAB
2.	Unknown Alkane	7.228	.95	J
3.	Unknown	7.627	2.0	J
4.	Unknown	7.904	.23	J
5.86-74-8	Carbazole	8.298	.46	J
6.	11H-Benzo[b]fluorene	9.583	.26	JX
7.	Unknown	10.161	.40	J
8.	Unknown Alkane	10.493	.27	J
9.	Unknown	11.028	.28	J
10.	Unknown Alkane	11.046	.25	J
11.	Unknown	11.114	.46	J
12.	Unknown	11.175	.30	J
13.	Unknown	11.335	.47	J
14.	Unknown	11.415	.33	J
15.	Benzo[a]pyrene	11.501	.76	JX
16.	Unknown	11.735	.30	J
17.	Unknown	11.808	.38	J
18.	Unknown	11.882	.43	J
19.	Unknown Alkane	12.024	.44	J
20.	Unknown	12.134	.49	J
21.	Unknown	12.220	.23	J
22.	Unknown	12.552	.30	J
23.	Benzo[a]naphthacene	12.964	.24	JX
24.	Unknown	13.014	.30	J
25.	Unknown	13.364	.72	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102980

Lancaster Laboratories Sample No. SW 4589761

05-MET-135 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/23/2005 13:10

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:07  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-135

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0031	0.117	mg/kg	1
06925	Thallium	7440-28-0	2.10 J	1.16	2.42	mg/kg	1
06935	Arsenic	7440-38-2	3.89	0.811	2.42	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.16	2.42	mg/kg	1
06944	Antimony	7440-36-0	N.D.	0.993	2.42	mg/kg	1
06947	Beryllium	7440-41-7	0.602 J	0.0520	0.605	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.104	0.605	mg/kg	1
06951	Chromium	7440-47-3	23.9	0.642	1.82	mg/kg	1
06953	Copper	7440-50-8	11.3	0.363	1.21	mg/kg	1
06955	Lead	7439-92-1	7.26	0.944	2.42	mg/kg	1
06961	Nickel	7440-02-0	13.2	0.399	1.21	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.230	0.605	mg/kg	1
06972	Zinc	7440-66-6	38.2	0.557	2.42	mg/kg	1
00111	Moisture	n.a.	18.2	0.50	0.50	%	1
"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.							
05895	Total Cyanide	57-12-5	N.D.	0.21	0.60	mg/kg	1
05912	Phenols	n.a.	N.D.	1.5	4.3	mg/kg	1
01224	PPL Pesticides + Methoxychlor						
01218	Gamma BHC - Lindane	58-89-9	N.D.	0.000208	0.00101	mg/kg	1
01219	Heptachlor	76-44-8	N.D.	0.000208	0.00101	mg/kg	1
01220	Aldrin	309-00-2	N.D.	0.000208	0.00101	mg/kg	1
01221	p,p-DDT	50-29-3	N.D.	0.000403	0.00208	mg/kg	1
01222	Dieldrin	60-57-1	N.D.	0.000403	0.00208	mg/kg	1
01223	Endrin	72-20-8	N.D.	0.000403	0.00208	mg/kg	1
01859	Methoxychlor	72-43-5	N.D.	0.00208	0.0101	mg/kg	1
01981	Alpha BHC	319-84-6	N.D.	0.000208	0.00101	mg/kg	1
01982	Beta BHC	319-85-7	N.D.	0.000208	0.00101	mg/kg	1
01983	Delta BHC	319-86-8	N.D.	0.000257	0.00101	mg/kg	1
01984	Heptachlor Epoxide	1024-57-3	N.D.	0.000208	0.00101	mg/kg	1
01985	p,p-DDE	72-55-9	N.D.	0.000403	0.00208	mg/kg	1
01986	p,p-DDD	72-54-8	N.D.	0.000403	0.00208	mg/kg	1
01987	Chlordane	57-74-9	N.D.	0.00489	0.0208	mg/kg	1
01988	Toxaphene	8001-35-2	N.D.	0.0134	0.0403	mg/kg	1
01989	Endosulfan I	959-98-8	N.D.	0.000208	0.00101	mg/kg	1
01990	Endosulfan II	33213-65-9	N.D.	0.000403	0.00208	mg/kg	1
01991	Endosulfan Sulfate	1031-07-8	N.D.	0.000403	0.00208	mg/kg	1
01992	Endrin Aldehyde	7421-93-4	N.D.	0.000403	0.00208	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102981



Lancaster Laboratories Sample No. SW 4589761

05-MET-135 Grab Soil Sample  
N(8.5-9)  
Former Metro Container Investigation

Collected: 08/23/2005 13:10

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:07  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

S-135

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	0.00905	0.0208	mg/kg	1
01994	PCB-1221	11104-28-2	N.D.	0.00403	0.0208	mg/kg	1
01995	PCB-1232	11141-16-5	N.D.	0.00587	0.0208	mg/kg	1
01996	PCB-1242	53469-21-9	N.D.	0.00367	0.0208	mg/kg	1
01997	PCB-1248	12672-29-6	N.D.	0.0134	0.0403	mg/kg	1
01998	PCB-1254	11097-69-1	N.D.	0.00403	0.0208	mg/kg	1
01999	PCB-1260	11096-82-5	N.D.	0.0134	0.0403	mg/kg	1
04688	PPL Semivolatiles						
00176	1,4-Dioxane	123-91-1	N.D.	0.12	0.41	mg/kg	1
01185	Phenol	108-95-2	N.D.	0.041	0.20	mg/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	0.041	0.20	mg/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	0.041	0.20	mg/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.041	0.20	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.041	0.20	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.081	0.20	mg/kg	1
01191	Acenaphthene	83-32-9	N.D.	0.041	0.20	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.20	0.61	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.081	0.20	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.20	0.61	mg/kg	1
01195	Pyrene	129-00-0	N.D.	0.041	0.20	mg/kg	1
02751	1-Methylnaphthalene	90-12-0	N.D.	0.041	0.20	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.041	0.20	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.12	0.20	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.041	0.20	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.041	0.20	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.81	2.4	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.20	0.61	mg/kg	1
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.081	0.20	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.041	0.20	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.041	0.20	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.041	0.20	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.041	0.20	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.041	0.20	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.041	0.20	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.041	0.20	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.041	0.20	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.041	0.20	mg/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	0.081	0.20	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.20	0.61	mg/kg	1

\*=This limit was used in the evaluation of the final result

AR102982

**Lancaster Laboratories Sample No. SW 4589761**
**05-MET-135 Grab Soil Sample**
**N(8.5-9)**
**Former Metro Container Investigation**

Collected: 08/23/2005 13:10

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:07

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-135

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
03764	2-Chloronaphthalene	91-58-7	N.D.	0.041	0.20	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.041	0.20	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.081	0.20	mg/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	0.041	0.20	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.041	0.20	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.041	0.20	mg/kg	1
03770	Diethylphthalate	84-66-2	N.D.	0.081	0.20	mg/kg	1
03771	1,2-Diphenylhydrazine	122-66-7	N.D.	0.041	0.20	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.041	0.20	mg/kg	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.041	0.20	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.041	0.20	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.041	0.20	mg/kg	1
03776	Anthracene	120-12-7	N.D.	0.041	0.20	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.081	0.20	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.041	0.20	mg/kg	1
03779	Benzidine	92-87-5	N.D.	0.81	2.4	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.081	0.20	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.041	0.20	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.041	0.20	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.12	0.41	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.081	0.41	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.081	0.20	mg/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	0.041	0.20	mg/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	0.041	0.20	mg/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	0.041	0.20	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.041	0.20	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.041	0.20	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.041	0.20	mg/kg	1
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.001	0.005	mg/kg	0.84
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	0.84
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	0.10	mg/kg	0.84
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	0.84

\*=This limit was used in the evaluation of the final result

AR102983

Lancaster Laboratories Sample No. SW 4589761

05-MET-135 Grab Soil Sample

N(8.5-9)

Former Metro Container Investigation

Collected: 08/23/2005 13:10

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:07

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

S-135

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	0.84
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	0.84
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	0.84
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	0.84
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	0.84
05450	Methylene Chloride	75-09-2	0.002 J	0.002	0.005	mg/kg	0.84
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	0.84
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	0.84
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	0.84
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	0.84
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	0.84
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	0.84
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	0.84
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	0.84
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	0.84
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	0.84
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	0.84
05466	Toluene	108-88-3	N.D.	0.001	0.005	mg/kg	0.84
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	0.84
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	0.84
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	0.84
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	0.84
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.005	mg/kg	0.84
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	0.84
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	0.84
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	0.84
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	0.84
06301	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	mg/kg	0.84
07586	Acrolein	107-02-8	N.D.	0.021	0.10	mg/kg	0.84
07587	Acrylonitrile	107-13-1	N.D.	0.004	0.021	mg/kg	0.84

2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.

The percent recovery for t-butyl alcohol was outside QC limits high in the LCS associated with this sample. Since the recovery was high and this compound was not detected in the sample, no further action was taken.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined

\*=This limit was used in the evaluation of the final result

AR102984

Lancaster Laboratories Sample No. SW 4589761

05-MET-135 Grab Soil Sample

N(8.5-9)

Former Metro Container Investigation

Collected: 08/23/2005 13:10

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:07

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-135

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit*	Dry Limit of Quantitation	Units	Dilution Factor
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on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	08/25/2005 14:12		1
06925	Thallium	SW-846 6010B	1	08/26/2005 01:26		1
06935	Arsenic	SW-846 6010B	1	08/26/2005 01:26		1
06936	Selenium	SW-846 6010B	1	08/26/2005 01:26		1
06944	Antimony	SW-846 6010B	1	08/26/2005 01:26		1
06947	Beryllium	SW-846 6010B	1	08/26/2005 01:26		1
06949	Cadmium	SW-846 6010B	1	08/26/2005 01:26		1
06951	Chromium	SW-846 6010B	1	08/26/2005 01:26		1
06953	Copper	SW-846 6010B	1	08/26/2005 01:26		1
06955	Lead	SW-846 6010B	1	08/26/2005 01:26		1
06961	Nickel	SW-846 6010B	1	08/26/2005 01:26		1
06966	Silver	SW-846 6010B	1	08/26/2005 01:26		1
06972	Zinc	SW-846 6010B	1	08/26/2005 01:26		1
00111	Moisture	EPA 160.3 modified	1	08/24/2005 16:18		1
05895	Total Cyanide	SW-846 9012A	1	08/26/2005 13:39		1
05912	Phenols	SW846 9066	1	08/30/2005 19:53		1
01224	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/27/2005 02:19		1
04688	PPL Semivolatiles	SW-846 8270C	1	08/29/2005 16:56		1
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/31/2005 23:20		0.84
07584	PPL Volatiles	SW-846 8260B	1	08/31/2005 23:20		0.84
00381	BNA Soil Extraction	SW-846 3550B	1	08/25/2005 09:00		1
05708	SW SW846 ICP Digest	SW-846 3050B	1	08/25/2005 09:10		1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	08/25/2005 10:00		1
05896	Cyanide Solid Distillation	SW846 9012A, mod.	1	08/26/2005 09:40		1

\*=This limit was used in the evaluation of the final result

AR102985

**Lancaster Laboratories Sample No. SW 4589761**

**05-MET-135 Grab Soil Sample**

**N(8.5-9)**

**Former Metro Container Investigation**

Collected: 08/23/2005 13:10

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/07/2005 at 16:07

P.O. Box 7009

Discard: 10/08/2005

Pasadena CA 91109-7009

S-135

05911	Phenol Distillation (solids)	SW846 9065, mod.	1	08/29/2005 14:20		1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	08/25/2005 08:00		1
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:11		1
08389	GC/MS - LL Encore Prep	SW-846 5035	1	08/24/2005 08:15		n.a.
08389	GC/MS - LL Encore Prep	SW-846 5035	2	08/24/2005 08:15		n.a.

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4589761	SDG No.: _____
Sample wt/vol: 5.92 (g/mL) g	Lab File ID: HP09193.i/05aug31a.b/xg31s23.d	
Level: (low/med) LOW	Date Received: 08/23/05	
% Moisture: not dec. 18	Date Analyzed: 08/31/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) mg/Kg	

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown siloxane	12.26	0.008	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102987

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) SOIL Lab Sample ID: 4589761  
 Sample wt/vol: 30 (g/mL) g Lab File ID: oh0992.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: 18 Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/29/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sonic  
 CONCENTRATION UNITS:  
 Number TICs found: 25 (mg/L or mg/Kg) mg/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	!Unknown	2.075	.64	J
2.123-42-2	!2-Pentanone, 4-hydroxy-4-met	3.016	15	JAB
3.	!Unknown	5.168	1.9	J
4.	!Unknown	6.207	3.7	J
5.	!Unknown	7.025	2.0	J
6.	!Unknown	8.353	1.9	J
7.	!Unknown	10.075	1.7	J
8.	!Unknown Alkane	10.493	.36	J
9.	!Unknown Alkane	10.776	.83	J
10.	!Unknown	10.917	1.7	J
11.	!Unknown Alkane	11.046	.85	J
12.	!Unknown	11.102	.73	J
13.	!Unknown	11.157	1.4	J
14.	!Unknown	11.206	.47	J
15.	!Unknown	11.243	.60	J
16.	!Unknown Alkane	11.335	1.2	J
17.	!Unknown	11.735	.46	J
18.	!Unknown	11.968	.68	J
19.	!Unknown	12.012	.55	J
20.	!Unknown	12.079	.42	J
21.	!Unknown	12.128	.32	J
22.	!Unknown	12.362	.49	J
23.	!Unknown	12.442	.39	J
24.	!Unknown	12.712	.36	J
25.	!Unknown	13.604	.49	J
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102988

**Lancaster Laboratories Sample No. WW 4589762**

**EB082305S Equipment Blank Water Sample  
EB  
Former Metro Container Investigation**

Collected: 08/23/2005 11:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:08

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EBS23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0096	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.038	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0096	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0036	0.0096	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0096	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0096	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0038	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0096	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0038	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.067	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.96	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0038	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0096	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.096	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.096	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.096	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.096	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102989



**Lancaster Laboratories Sample No. WW 4589762**
**EB082305S Equipment Blank Water Sample  
EB  
Former Metro Container Investigation**

Collected: 08/23/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:08

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EBS23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.096	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.096	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.096	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	58.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102990

**Lancaster Laboratories Sample No. WW 4589762**
**EB082305S Equipment Blank Water Sample  
EB  
Former Metro Container Investigation**

Collected: 08/23/2005 11:30

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:08

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EBS23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	58.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
06371	Add'l Volatile Compounds						
05662	1,2-Dibromoethane	106-93-4	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR102991

Lancaster Laboratories Sample No. WW 4589762

EB082305S Equipment Blank Water Sample  
EB  
Former Metro Container Investigation

Collected: 08/23/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:08  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

EBS23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4589762

EB082305S Equipment Blank Water Sample  
EB  
Former Metro Container Investigation

Collected: 08/23/2005 11:30

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/07/2005 at 16:08

Discard: 10/08/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

EBS23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:11	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/28/2005 22:51	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 20:53	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/25/2005 20:53	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/25/2005 20:53	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 20:53	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/25/2005 20:53	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/25/2005 20:53	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/25/2005 20:53	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/25/2005 20:53	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/25/2005 20:53	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/25/2005 20:53	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/25/2005 20:53	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/29/2005 12:20	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:41	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 13:37	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/26/2005 23:21	[REDACTED]	1
06371	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 10:05	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/25/2005 10:05	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/25/2005 04:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/24/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/25/2005 10:05	[REDACTED]	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/26/2005 15:00	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR102993

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EBS23
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4589762	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP09137.i/05aug25a.b/wg25s02.d	
Level: (low/med) LOW	Date Received: 08/23/05	
% Moisture: not dec.	Date Analyzed: 08/25/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102994

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4589762  
 Sample wt/vol: 1037 (g/mL) mL Lab File ID: oh0952.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture:              Decanted: (Y/N)              Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/26/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR102995

**Lancaster Laboratories Sample No. G5 4589763**
**TB082305S Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation**

Collected: 08/23/2005

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:08  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TBS23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06373	Add'l Volatile Compounds						
05677	1,2-Dibromoethane	106-93-4	N.D.	0.050	0.25	mg/kg	50
07584	PPL Volatiles						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	0.25	mg/kg	50
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	5.0	mg/kg	50
05444	Chloromethane	74-87-3	N.D.	0.10	0.25	mg/kg	50
05445	Vinyl Chloride	75-01-4	N.D.	0.050	0.25	mg/kg	50
05446	Bromomethane	74-83-9	N.D.	0.10	0.25	mg/kg	50
05447	Chloroethane	75-00-3	N.D.	0.10	0.25	mg/kg	50
05448	Trichlorofluoromethane	75-69-4	N.D.	0.10	0.25	mg/kg	50
05449	1,1-Dichloroethene	75-35-4	N.D.	0.050	0.25	mg/kg	50
05450	Methylene Chloride	75-09-2	N.D.	0.10	0.25	mg/kg	50
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.050	0.25	mg/kg	50
05452	1,1-Dichloroethane	75-34-3	N.D.	0.050	0.25	mg/kg	50
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.050	0.25	mg/kg	50
05455	Chloroform	67-66-3	N.D.	0.050	0.25	mg/kg	50
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.050	0.25	mg/kg	50
05458	Carbon Tetrachloride	56-23-5	N.D.	0.050	0.25	mg/kg	50
05460	Benzene	71-43-2	N.D.	0.025	0.25	mg/kg	50
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	0.25	mg/kg	50
05462	Trichloroethene	79-01-6	N.D.	0.050	0.25	mg/kg	50
05463	1,2-Dichloropropane	78-87-5	N.D.	0.050	0.25	mg/kg	50
05465	Bromodichloromethane	75-27-4	N.D.	0.050	0.25	mg/kg	50
05466	Toluene	108-88-3	N.D.	0.050	0.25	mg/kg	50
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.050	0.25	mg/kg	50
05468	Tetrachloroethene	127-18-4	N.D.	0.050	0.25	mg/kg	50
05470	Dibromochloromethane	124-48-1	N.D.	0.050	0.25	mg/kg	50
05472	Chlorobenzene	108-90-7	N.D.	0.050	0.25	mg/kg	50
05474	Ethylbenzene	100-41-4	N.D.	0.050	0.25	mg/kg	50
05478	Bromoform	75-25-2	N.D.	0.050	0.25	mg/kg	50
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.050	0.25	mg/kg	50
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.050	0.25	mg/kg	50
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.050	0.25	mg/kg	50
06301	Xylene (Total)	1330-20-7	N.D.	0.050	0.25	mg/kg	50
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.10	0.50	mg/kg	50
07586	Acrolein	107-02-8	N.D.	1.0	5.0	mg/kg	50

\*This limit was used in the evaluation of the final result

AR102996

Lancaster Laboratories Sample No. G5 4589763

TB082305S Trip Blank Methanol Sample  
TB  
Former Metro Container Investigation

Collected: 08/23/2005

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/07/2005 at 16:08  
Discard: 10/08/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

TBS23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07587	Acrylonitrile	107-13-1	N.D.	0.20	1.0	mg/kg	50
The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06373	Add'l Volatile Compounds	SW-846 8260B	1	08/25/2005 03:19		50
07584	PPL Volatiles	SW-846 8260B	1	08/25/2005 03:19		50
06171	GC/MS - Field Preserved MeOH	SW-846 5035	1	08/24/2005 11:12		1

\*=This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) SOIL	Lab Sample ID: 4589763	SDG No.: _____
Sample wt/vol: 5.0 (g/mL) g	Lab File ID: HP07536.i/05aug24b.b/qg24s55.d	
Level: (low/med) MED	Date Received: 08/23/05	
% Moisture: not dec.	Date Analyzed: 08/25/05	
Column: (pack/cap) CAP	Dilution Factor: 50.0	
	CONCENTRATION UNITS:	
	(mg/L or mg/Kg) mg/Kg	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR102998

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 052360003A	Sample number(s): 4589762								
Alpha BHC	N.D.	0.0020	0.010	ug/l	100	100	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	100	110	64-143	10	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	100	100	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	100	99	41-155	1	20
Heptachlor	N.D.	0.0020	0.010	ug/l	97	97	45-130	0	20
Aldrin	N.D.	0.0052	0.020	ug/l	81	80	47-122	1	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	100	100	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	86	90	44-154	5	20
p,p-DDD	N.D.	0.0061	0.020	ug/l	95	95	42-155	0	20
p,p-DDT	N.D.	0.0040	0.020	ug/l	90	95	47-159	5	20
Dieldrin	N.D.	0.010	0.030	ug/l	100	100	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	95	95	62-135	0	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	100	100	66-131	0	20
Endosulfan Sulfate	N.D.	0.0062	0.020	ug/l	100	100	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	100	100	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	93	95	49-155	2	20
Batch number: 052360014A	Sample number(s): 4589750-4589761								
Gamma BHC - Lindane	N.D.	0.17	0.83	ug/kg	104		74-133		
Heptachlor	N.D.	0.17	0.83	ug/kg	105		72-143		
Aldrin	N.D.	0.17	0.83	ug/kg	103		74-137		
p,p-DDT	N.D.	0.33	1.7	ug/kg	99		67-152		
Dieldrin	N.D.	0.33	1.7	ug/kg	103		71-133		
Endrin	N.D.	0.33	1.7	ug/kg	99		68-133		
Methoxychlor	N.D.	1.7	8.3	ug/kg	97		56-168		
Alpha BHC	N.D.	0.17	0.83	ug/kg	106		70-134		
Beta BHC	N.D.	0.17	0.83	ug/kg	100		68-137		
Delta BHC	N.D.	0.21	0.83	ug/kg	101		53-167		
Heptachlor Epoxide	N.D.	0.17	0.83	ug/kg	102		72-132		
p,p-DDE	N.D.	0.33	1.7	ug/kg	95		71-143		
p,p-DDD	N.D.	0.33	1.7	ug/kg	92		60-153		
Chlordane	N.D.	4.00	17.0	ug/kg					
Toxaphene	N.D.	11.	33.	ug/kg					

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Endosulfan I	N.D.	0.17	0.83	ug/kg	105		71-130		
Endosulfan II	N.D.	0.33	1.7	ug/kg	103		73-134		
Endosulfan Sulfate	N.D.	0.33	1.7	ug/kg	104		58-133		
Endrin Aldehyde	N.D.	0.33	1.7	ug/kg	97		47-145		
PCB-1016	N.D.	7.4	17.	ug/kg					
PCB-1221	N.D.	3.3	17.	ug/kg					
PCB-1232	N.D.	4.8	17.	ug/kg					
PCB-1242	N.D.	3.3	17.	ug/kg					
PCB-1248	N.D.	11.	33.	ug/kg					
PCB-1254	N.D.	3.3	17.	ug/kg					
PCB-1260	N.D.	11.	33.	ug/kg					
Batch number: 05236117101B	Sample number(s): 4589762								
Total Cyanide	0.0059 J	0.0050	0.010	mg/l	100		90-110		
Batch number: 052365713004	Sample number(s): 4589762								
Mercury	N.D.	0.00006	0.00020	mg/l	104		80-120		
		2							
Batch number: 05236820004A	Sample number(s): 4589750-4589761								
Moisture					100		99-101		
Batch number: 05236SLF026	Sample number(s): 4589750-4589761								
1,4-Dioxane	N.D.	100.	330.	ug/kg	36		14-81		
Phenol	N.D.	33.	170.	ug/kg	93		66-106		
2-Chlorophenol	N.D.	33.	170.	ug/kg	87		73-105		
1,4-Dichlorobenzene	N.D.	33.	170.	ug/kg	83		60-105		
N-Nitroso-di-n-propylamine	N.D.	33.	170.	ug/kg	86		61-109		
1,2,4-Trichlorobenzene	N.D.	33.	170.	ug/kg	84		68-105		
4-Chloro-3-methylphenol	N.D.	67.	170.	ug/kg	93		61-134		
Acenaphthene	N.D.	33.	170.	ug/kg	92		74-110		
4-Nitrophenol	N.D.	170.	500.	ug/kg	87		53-140		
2,4-Dinitrotoluene	N.D.	67.	170.	ug/kg	95		75-118		
Pentachlorophenol	N.D.	170.	500.	ug/kg	67		47-110		
Pyrene	N.D.	33.	170.	ug/kg	101		67-116		
1-Methylnaphthalene	N.D.	33.	170.	ug/kg	93		69-104		
2-Nitrophenol	N.D.	33.	170.	ug/kg	96		74-113		
2,4-Dimethylphenol	N.D.	100.	170.	ug/kg	85		68-103		
2,4-Dichlorophenol	N.D.	33.	170.	ug/kg	89		74-105		
2,4,6-Trichlorophenol	N.D.	33.	170.	ug/kg	85		73-112		
2,4-Dinitrophenol	N.D.	670.	2,000.	ug/kg	67		48-115		
4,6-Dinitro-2-methylphenol	N.D.	170.	500.	ug/kg	75		56-120		
N-Nitrosodimethylamine	N.D.	67.	170.	ug/kg	77		52-108		
bis(2-Chloroethyl)ether	N.D.	33.	170.	ug/kg	83		60-112		
1,3-Dichlorobenzene	N.D.	33.	170.	ug/kg	81		60-106		
1,2-Dichlorobenzene	N.D.	33.	170.	ug/kg	79		62-101		
bis(2-Chloroisopropyl)ether	N.D.	33.	170.	ug/kg	105		70-134		
Hexachloroethane	N.D.	33.	170.	ug/kg	80		61-106		
Nitrobenzene	N.D.	33.	170.	ug/kg	89		68-105		
Isophorone	N.D.	33.	170.	ug/kg	83		69-101		
bis(2-Chloroethoxy)methane	N.D.	33.	170.	ug/kg	95		75-114		
Naphthalene	N.D.	33.	170.	ug/kg	87		70-103		
Hexachlorobutadiene	N.D.	67.	170.	ug/kg	81		66-112		
Hexachlorocyclopentadiene	N.D.	170.	500.	ug/kg	82		36-158		
2-Chloronaphthalene	N.D.	33.	170.	ug/kg	75		60-101		

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acenaphthylene	N.D.	33.	170.	ug/kg	103		66-113		
Dimethylphthalate	N.D.	67.	170.	ug/kg	89		76-108		
2,6-Dinitrotoluene	N.D.	33.	170.	ug/kg	90		75-108		
Fluorene	N.D.	33.	170.	ug/kg	85		66-115		
4-Chlorophenyl-phenylether	N.D.	33.	170.	ug/kg	84		69-110		
Diethylphthalate	N.D.	67.	170.	ug/kg	92		75-109		
1,2-Diphenylhydrazine	N.D.	33.	170.	ug/kg	89		62-115		
N-Nitrosodiphenylamine	N.D.	33.	170.	ug/kg	88		67-105		
4-Bromophenyl-phenylether	N.D.	33.	170.	ug/kg	86		70-111		
Hexachlorobenzene	N.D.	33.	170.	ug/kg	82		69-114		
Phenanthrene	N.D.	33.	170.	ug/kg	89		70-107		
Anthracene	N.D.	33.	170.	ug/kg	87		69-109		
Di-n-butylphthalate	N.D.	67.	170.	ug/kg	91		68-112		
Fluoranthene	N.D.	33.	170.	ug/kg	82		66-109		
Benzidine	N.D.	670.	2,000.	ug/kg	63		25-99		
Butylbenzylphthalate	N.D.	67.	170.	ug/kg	99		70-120		
Benzo(a)anthracene	N.D.	33.	170.	ug/kg	92		73-111		
Chrysene	N.D.	33.	170.	ug/kg	93		72-110		
3,3'-Dichlorobenzidine	N.D.	100.	330.	ug/kg	53		20-122		
bis(2-Ethylhexyl)phthalate	N.D.	67.	330.	ug/kg	95		63-131		
Di-n-octylphthalate	N.D.	67.	170.	ug/kg	98		61-117		
Benzo(b)fluoranthene	N.D.	33.	170.	ug/kg	94		68-117		
Benzo(k)fluoranthene	N.D.	33.	170.	ug/kg	93		69-118		
Benzo(a)pyrene	N.D.	33.	170.	ug/kg	98		72-117		
Indeno(1,2,3-cd)pyrene	N.D.	33.	170.	ug/kg	93		66-123		
Dibenz(a,h)anthracene	N.D.	33.	170.	ug/kg	97		70-130		
Benzo(g,h,i)perylene	N.D.	33.	170.	ug/kg	94		66-120		
Batch number: 05236WAD026 Sample number(s): 4589762									
1,4-Dioxane	N.D.	1.	5.	ug/l	58	60	43-73	2	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	99	96	65-107	3	30
2-Chlorophenol	N.D.	1.	5.	ug/l	91	91	63-112	0	30
Phenol	N.D.	1.	5.	ug/l	45	44	29-57	1	30
2-Nitrophenol	N.D.	1.	5.	ug/l	107	104	83-119	3	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	92	88	60-107	4	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	94	90	66-110	4	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	94	92	48-114	2	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	95	92	69-111	3	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	86	82	44-130	4	30
4-Nitrophenol	N.D.	10.	30.	ug/l	43	44	16-75	3	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	90	93	56-130	3	30
Pentachlorophenol	N.D.	3.	15.	ug/l	80	77	48-108	4	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	62	63	39-84	3	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	89	89	57-110	0	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	89	89	52-102	1	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	92	91	54-103	1	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	87	86	58-99	1	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	118	115	68-133	3	30
Hexachloroethane	N.D.	1.	5.	ug/l	92	90	33-106	2	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	93	92	56-109	1	30
Nitrobenzene	N.D.	1.	5.	ug/l	95	91	61-111	4	30
Isophorone	N.D.	1.	5.	ug/l	89	85	63-105	4	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	102	99	69-119	3	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	93	89	62-101	5	30
Naphthalene	N.D.	1.	5.	ug/l	95	91	70-102	4	30

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Hexachlorobutadiene	N.D.	1.	5.	ug/l	94	91	33-118	3	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	100	92	14-169	9	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	80	77	56-100	5	30
Acenaphthylene	N.D.	1.	5.	ug/l	110	107	65-120	2	30
Dimethylphthalate	N.D.	2.	5.	ug/l	91	89	46-109	3	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	95	92	70-108	3	30
Acenaphthene	N.D.	1.	5.	ug/l	96	93	68-111	3	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	97	97	75-122	0	30
Fluorene	N.D.	1.	5.	ug/l	90	89	61-116	2	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	92	89	65-110	3	30
Diethylphthalate	N.D.	2.	5.	ug/l	98	95	61-110	3	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	97	95	62-106	2	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	95	93	63-104	3	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	99	98	67-110	1	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	94	93	68-113	2	30
Phenanthrene	N.D.	1.	5.	ug/l	95	96	68-111	1	30
Anthracene	N.D.	1.	5.	ug/l	94	95	68-108	1	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	102	103	63-113	1	30
Fluoranthene	N.D.	1.	5.	ug/l	90	92	66-108	2	30
Pyrene	N.D.	1.	5.	ug/l	102	99	68-114	3	30
Benzidine	N.D.	20.	60.	ug/l	102	106	20-134	4	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	108	104	63-120	4	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	93	93	72-112	0	30
Chrysene	N.D.	1.	5.	ug/l	96	95	70-111	1	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	94	78	39-116	19	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	108	104	62-126	4	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	115	113	58-118	2	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	100	103	67-117	4	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	99	95	67-120	3	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	102	104	68-121	2	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	98	99	67-122	1	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	104	106	71-129	2	30
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	100	100	67-121	0	30

Batch number: 05237102201B  
Total Cyanide

Sample number(s): 4589750-4589754  
N.D. 0.18 0.50 mg/kg

98

90-110

Batch number: 052371848003

Sample number(s): 4589762

Thallium	N.D.	0.0100	0.0200	mg/l	102		92-107
Arsenic	N.D.	0.0093	0.0200	mg/l	108		85-115
Selenium	N.D.	0.0094	0.0200	mg/l	104		85-115
Antimony	N.D.	0.0064	0.0200	mg/l	108		94-112
Beryllium	N.D.	0.00044	0.0050	mg/l	105		96-111
Cadmium	N.D.	0.00097	0.0050	mg/l	104		97-111
Chromium	N.D.	0.0048	0.0150	mg/l	103		90-112
Copper	N.D.	0.0018	0.0100	mg/l	105		92-110
Lead	N.D.	0.0084	0.0200	mg/l	104		93-110
Nickel	N.D.	0.0058	0.0100	mg/l	101		93-110
Silver	N.D.	0.0020	0.0050	mg/l	112		96-114
Zinc	N.D.	0.0053	0.0200	mg/l	101		90-112

Batch number: 052375708001

Sample number(s): 4589750-4589761

Thallium	N.D.	0.960	2.00	mg/kg	106		76-125
Arsenic	N.D.	0.670	2.00	mg/kg	96		80-120
Selenium	N.D.	0.960	2.00	mg/kg	106		74-126

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Antimony	N.D.	0.820	2.00	mg/kg	49		3-223		
Beryllium	N.D.	0.0430	0.500	mg/kg	100		79-121		
Cadmium	N.D.	0.0860	0.500	mg/kg	96		81-119		
Chromium	N.D.	0.530	1.50	mg/kg	96		78-121		
Copper	N.D.	0.300	1.00	mg/kg	97		80-120		
Lead	N.D.	0.780	2.00	mg/kg	95		80-120		
Nickel	N.D.	0.330	1.00	mg/kg	96		78-122		
Silver	N.D.	0.190	0.500	mg/kg	109		49-150		
Zinc	1.65 J	0.460	2.00	mg/kg	92		46-154		
Batch number: 052375711001	Sample number(s): 4589750-4589761								
Mercury	N.D.	0.0027	0.100	mg/kg	91		66-133		
Batch number: 05238102201A	Sample number(s): 4589755-4589758								
Total Cyanide	N.D.	0.18	0.50	mg/kg	98		90-110		
Batch number: 05238102201B	Sample number(s): 4589759-4589761								
Total Cyanide	N.D.	0.18	0.50	mg/kg	98		90-110		
Batch number: 05238120101A	Sample number(s): 4589762								
Phenols	N.D.	0.0090	0.030	mg/l	99	98	83-108	1	20
Batch number: 05241113201A	Sample number(s): 4589750-4589759								
Phenols	N.D.	1.2	3.5	mg/kg	95		80-120		
Batch number: 05241113201B	Sample number(s): 4589760-4589761								
Phenols	N.D.	1.2	3.5	mg/kg	95		80-120		
Batch number: Q052363AA	Sample number(s): 4589763								
Methyl Tertiary Butyl Ether	N.D.	25.	250.	ug/kg	107	110	75-125	3	30
t-Butyl alcohol	N.D.	1,000.	5,000.	ug/kg	102	100	51-160	2	30
Chloromethane	N.D.	100.	250.	ug/kg	88	101	62-132	14	30
Vinyl Chloride	N.D.	50.	250.	ug/kg	86	95	66-124	10	30
Bromomethane	N.D.	100.	250.	ug/kg	101	100	59-127	0	30
Chloroethane	N.D.	100.	200.	ug/kg	105	120	63-120	14	30
Trichlorofluoromethane	N.D.	100.	250.	ug/kg	94	98	65-138	4	30
1,1-Dichloroethene	N.D.	50.	250.	ug/kg	94	99	69-133	5	30
Methylene Chloride	N.D.	100.	250.	ug/kg	102	107	75-120	4	30
trans-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	92	100	77-124	8	30
1,1-Dichloroethane	N.D.	50.	250.	ug/kg	104	107	79-124	3	30
cis-1,2-Dichloroethene	N.D.	50.	250.	ug/kg	98	106	76-120	8	30
Chloroform	N.D.	50.	250.	ug/kg	104	109	81-117	5	30
1,1,1-Trichloroethane	N.D.	50.	250.	ug/kg	98	104	74-127	6	30
Carbon Tetrachloride	N.D.	50.	250.	ug/kg	96	101	69-130	6	30
Benzene	N.D.	25.	250.	ug/kg	99	105	77-119	6	30
1,2-Dichloroethane	N.D.	50.	250.	ug/kg	108	112	76-126	4	30
Trichloroethene	N.D.	50.	250.	ug/kg	99	105	81-114	6	30
1,2-Dichloropropane	N.D.	50.	250.	ug/kg	104	106	78-119	2	30
Bromodichloromethane	N.D.	50.	250.	ug/kg	109	108	77-116	0	30
Toluene	N.D.	50.	250.	ug/kg	96	101	81-116	4	30
1,1,2-Trichloroethane	N.D.	50.	250.	ug/kg	99	102	74-117	3	30
Tetrachloroethene	N.D.	50.	250.	ug/kg	88	94	73-127	7	30
Dibromochloromethane	N.D.	50.	250.	ug/kg	107	111	73-116	4	30
Chlorobenzene	N.D.	50.	250.	ug/kg	97	101	81-112	4	30
Ethylbenzene	N.D.	50.	250.	ug/kg	97	102	82-115	5	30

\*- Outside of specification

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- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromoform	N.D.	50.	250.	ug/kg	99	102	64-125	2	30
1,1,2,2-Tetrachloroethane	N.D.	50.	250.	ug/kg	99	104	64-121	4	30
1,2-Dibromoethane	N.D.	50.	250.	ug/kg	103	105	77-114	2	30
trans-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	100	101	72-119	1	30
cis-1,3-Dichloropropene	N.D.	50.	250.	ug/kg	106	111	72-117	4	30
Xylene (Total)	N.D.	50.	250.	ug/kg	97	102	82-117	5	30
2-Chloroethyl Vinyl Ether	N.D.	100.	500.	ug/kg	107	106	9-208	0	30
Acrolein	N.D.	1,000.	2,000.	ug/kg	107	104	33-143	3	30
Acrylonitrile	N.D.	200.	1,000.	ug/kg	104	106	56-129	2	30
Batch number: W052361AB Sample number(s): 4589762									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	94	95	77-127	1	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	113	120	57-141	6	30
Chloromethane	N.D.	1.	5.	ug/l	100	101	59-177	1	30
Vinyl Chloride	N.D.	1.	5.	ug/l	92	94	71-134	2	30
Bromomethane	N.D.	1.	5.	ug/l	89	87	62-131	2	30
Chloroethane	N.D.	1.	5.	ug/l	93	96	67-127	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	96	100	70-148	5	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	90	89	79-130	0	30
Methylene Chloride	N.D.	2.	5.	ug/l	90	89	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	89	90	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	96	96	83-127	0	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	91	92	84-117	1	30
Chloroform	N.D.	0.8	5.	ug/l	94	95	86-124	1	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	93	94	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	96	95	77-130	0	30
Benzene	N.D.	0.5	5.	ug/l	94	95	85-117	1	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	100	101	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	89	91	87-117	3	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	101	105	80-117	4	30
Bromodichloromethane	N.D.	1.	5.	ug/l	96	98	83-121	3	30
Toluene	N.D.	0.7	5.	ug/l	99	101	85-115	2	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	102	106	86-113	5	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	95	94	74-125	0	30
Dibromochloromethane	N.D.	1.	5.	ug/l	106	109	78-119	3	30
Chlorobenzene	N.D.	0.8	5.	ug/l	97	101	85-115	5	30
Ethylbenzene	N.D.	0.8	5.	ug/l	99	102	82-119	3	30
Bromoform	N.D.	1.	5.	ug/l	100	104	69-118	4	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	108	113	72-119	4	30
1,2-Dibromoethane	N.D.	1.	5.	ug/l	100	104	81-114	4	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	100	105	79-114	5	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	97	100	78-114	3	30
Xylene (Total)	N.D.	0.8	5.	ug/l	98	101	83-113	3	30
Acrylonitrile	N.D.	4.	20.	ug/l	107	112	55-137	5	30
Acrolein	N.D.	40.	100.	ug/l	96	97	28-146	2	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	106	105	53-133	0	30
Batch number: X052421AB Sample number(s): 4589754-4589755									
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	85	89	75-125	4	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	114	116	51-160	2	30
Chloromethane	N.D.	2.	5.	ug/kg	98	103	62-132	5	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	96	99	66-124	3	30
Bromomethane	N.D.	2.	5.	ug/kg	96	98	59-127	3	30
Chloroethane	N.D.	2.	5.	ug/kg	93	97	63-120	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	96	92	65-138	4	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	85	86	69-133	2	30
Methylene Chloride	N.D.	2.	5.	ug/kg	85	90	75-120	5	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	87	89	77-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	89	93	79-124	4	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	89	93	76-120	4	30
Chloroform	N.D.	1.	5.	ug/kg	91	93	81-117	1	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	89	94	74-127	5	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	87	90	69-130	3	30
Benzene	N.D.	0.5	5.	ug/kg	90	92	77-119	2	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	91	95	76-126	4	30
Trichloroethene	N.D.	1.	5.	ug/kg	89	92	81-114	3	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	91	94	78-119	3	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	92	94	77-116	2	30
Toluene	N.D.	1.	5.	ug/kg	94	96	81-116	2	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	95	97	74-117	3	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	92	94	73-127	2	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	93	98	73-116	5	30
Chlorobenzene	N.D.	1.	5.	ug/kg	96	98	81-112	2	30
Ethylbenzene	N.D.	1.	5.	ug/kg	95	97	82-115	2	30
Bromoform	N.D.	1.	5.	ug/kg	90	95	64-125	5	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	92	104	64-121	13	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	93	99	77-114	6	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	100	102	72-119	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	90	90	72-117	0	30
Xylene (Total)	N.D.	1.	5.	ug/kg	94	96	82-117	2	30
Acrolein	N.D.	20.	100.	ug/kg	78	86	33-143	9	30
Acrylonitrile	N.D.	4.	20.	ug/kg	84	92	56-129	9	30

Batch number: X052421AC

Sample number(s): 4589750-4589753, 4589756-4589757

Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	85	89	75-125	4	30
t-Butyl alcohol	N.D.	20.	100.	ug/kg	114	116	51-160	2	30
Chloromethane	N.D.	2.	5.	ug/kg	98	103	62-132	5	30
Vinyl Chloride	N.D.	1.	5.	ug/kg	96	99	66-124	3	30
Bromomethane	N.D.	2.	5.	ug/kg	96	98	59-127	3	30
Chloroethane	N.D.	2.	5.	ug/kg	93	97	63-120	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	96	92	65-138	4	30
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	85	86	69-133	2	30
Methylene Chloride	2. J	2.	5.	ug/kg	85	90	75-120	5	30
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	87	89	77-124	2	30
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	89	93	79-124	4	30
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	89	93	76-120	4	30
Chloroform	N.D.	1.	5.	ug/kg	91	93	81-117	1	30
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	89	94	74-127	5	30
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	87	90	69-130	3	30
Benzene	N.D.	0.5	5.	ug/kg	90	92	77-119	2	30
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	91	95	76-126	4	30
Trichloroethene	N.D.	1.	5.	ug/kg	89	92	81-114	3	30
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	91	94	78-119	3	30
Bromodichloromethane	N.D.	1.	5.	ug/kg	92	94	77-116	2	30
Toluene	N.D.	1.	5.	ug/kg	94	96	81-116	2	30
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	95	97	74-117	3	30
Tetrachloroethene	N.D.	1.	5.	ug/kg	92	94	73-127	2	30
Dibromochloromethane	N.D.	1.	5.	ug/kg	93	98	73-116	5	30
Chlorobenzene	N.D.	1.	5.	ug/kg	96	98	81-112	2	30
Ethylbenzene	N.D.	1.	5.	ug/kg	95	97	82-115	2	30

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromoform	N.D.	1.	5.	ug/kg	90	95	64-125	5	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	92	104	64-121	13	30
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	93	99	77-114	6	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	100	102	72-119	3	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	90	90	72-117	0	30
Xylene (Total)	N.D.	1.	5.	ug/kg	94	96	82-117	2	30
Acrolein	N.D.	20.	100.	ug/kg	78	86	33-143	9	30
Acrylonitrile	N.D.	4.	20.	ug/kg	84	92	56-129	9	30

Batch number: X052431AA	Sample number(s): 4589758-4589761								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/kg	87		75-125		
t-Butyl alcohol	N.D.	20.	100.	ug/kg	167*		51-160		
Chloromethane	N.D.	2.	5.	ug/kg	101		62-132		
Vinyl Chloride	N.D.	1.	5.	ug/kg	99		66-124		
Bromomethane	N.D.	2.	5.	ug/kg	91		59-127		
Chloroethane	N.D.	2.	5.	ug/kg	94		63-120		
Trichlorofluoromethane	N.D.	2.	5.	ug/kg	105		65-138		
1,1-Dichloroethene	N.D.	1.	5.	ug/kg	83		69-133		
Methylene Chloride	N.D.	2.	5.	ug/kg	82		75-120		
trans-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	85		77-124		
1,1-Dichloroethane	N.D.	1.	5.	ug/kg	88		79-124		
cis-1,2-Dichloroethene	N.D.	1.	5.	ug/kg	89		76-120		
Chloroform	N.D.	1.	5.	ug/kg	91		81-117		
1,1,1-Trichloroethane	N.D.	1.	5.	ug/kg	91		74-127		
Carbon Tetrachloride	N.D.	1.	5.	ug/kg	91		69-130		
Benzene	N.D.	0.5	5.	ug/kg	87		77-119		
1,2-Dichloroethane	N.D.	1.	5.	ug/kg	96		76-126		
Trichloroethene	N.D.	1.	5.	ug/kg	90		81-114		
1,2-Dichloropropane	N.D.	1.	5.	ug/kg	89		78-119		
Bromodichloromethane	N.D.	1.	5.	ug/kg	96		77-116		
Toluene	N.D.	1.	5.	ug/kg	92		81-116		
1,1,2-Trichloroethane	N.D.	1.	5.	ug/kg	96		74-117		
Tetrachloroethene	N.D.	1.	5.	ug/kg	92		73-127		
Dibromochloromethane	N.D.	1.	5.	ug/kg	97		73-116		
Chlorobenzene	N.D.	1.	5.	ug/kg	95		81-112		
Ethylbenzene	N.D.	1.	5.	ug/kg	93		82-115		
Bromoform	N.D.	1.	5.	ug/kg	98		64-125		
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/kg	104		64-121		
1,2-Dibromoethane	N.D.	1.	5.	ug/kg	97		77-114		
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	100		72-119		
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/kg	87		72-117		
Xylene (Total)	N.D.	1.	5.	ug/kg	94		82-117		
Acrolein	N.D.	20.	100.	ug/kg	90		33-143		
Acrylonitrile	N.D.	4.	20.	ug/kg	96		56-129		

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup	
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>
Batch number: 052360014A	Sample number(s): 4589750-4589761								
Gamma BHC - Lindane	315*	446*	43-154	34	35				

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Analysis Name								Max
Heptachlor	351*	0*	70-138	200*	35			
Aldrin	0*	143	58-159	200*	35			
p,p-DDT	304*	358*	62-166	9	35			
Dieldrin	197*	0*	68-139	200*	35			
Endrin	0*	0*	48-188	0	35			
Methoxychlor	0*	0*	74-162	0	35			
Alpha BHC	8*	372*	64-134	64*	35			
Beta BHC	-174*	458*	31-176	200*	35			
Delta BHC	0*	619*	68-158	200*	35			
Heptachlor Epoxide	219*	193*	69-133	13	35			
p,p-DDE	(2)	(2)	48-175	45*	35			
p,p-DDD	(2)	(2)	52-181	66*	35			
Endosulfan I	0*	226*	41-166	200*	35			
Endosulfan II	0*	173*	65-144	200*	35			
Endosulfan Sulfate	0*	141	65-154	200*	35			
Endrin Aldehyde	0*	0*	63-125	0	35			
Batch number: 05236117101B	Sample number(s): 4589762							
Total Cyanide	102		82-114			N.D.	N.D.	14 (1) 20
Batch number: 052365713004	Sample number(s): 4589762							
Mercury	102	103	80-120	1	20	N.D.	N.D.	13 (1) 20
Batch number: 05236820004A	Sample number(s): 4589750-4589761							
Moisture						18.2	18.7	3 15
Batch number: 05236SLF026	Sample number(s): 4589750-4589761							
1,4-Dioxane	30	32	6-84	6	30			
Phenol	71	76	48-128	7	30			
2-Chlorophenol	67	73	36-140	8	30			
1,4-Dichlorobenzene	62	66	46-115	6	30			
N-Nitroso-di-n-propylamine	69	74	42-132	8	30			
1,2,4-Trichlorobenzene	62	63	62-114	1	30			
4-Chloro-3-methylphenol	68	70	42-147	3	30			
Acenaphthene	51	58	47-137	12	30			
4-Nitrophenol	56	57	30-151	1	30			
2,4-Dinitrotoluene	64*	64*	66-126	1	30			
Pentachlorophenol	37	40	22-126	8	30			
Pyrene	-2*	14*	25-159	70*	30			
1-Methylnaphthalene	57*	61	60-128	7	30			
2-Nitrophenol	69	68	53-140	0	30			
2,4-Dimethylphenol	68	69	44-131	1	30			
2,4-Dichlorophenol	61	64	60-123	4	30			
2,4,6-Trichlorophenol	61	62	51-128	1	30			
2,4-Dinitrophenol	36	36	20-152	1	30			
4,6-Dinitro-2-methylphenol	39	39	14-136	1	30			
N-Nitrosodimethylamine	67	71	56-110	6	30			
bis(2-Chloroethyl)ether	68	73	60-110	6	30			
1,3-Dichlorobenzene	60	64	52-112	6	30			
1,2-Dichlorobenzene	61	64	56-108	6	30			
bis(2-Chloroisopropyl)ether	87	94	38-157	7	30			
Hexachloroethane	65	69	30-130	6	30			
Nitrobenzene	69	72	65-113	3	30			
Isophorone	69	71	55-116	2	30			

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## Quality Control Summary

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Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	Max
bis(2-Chloroethoxy)methane	78	79	63-128	1	30			
Naphthalene	55	59	54-121	6	30			
Hexachlorobutadiene	68	70	43-132	4	30			
Hexachlorocyclopentadiene	22	15	5-175	40*	30			
2-Chloronaphthalene	41*	40*	51-100	0	30			
Acenaphthylene	48*	50*	66-137	4	30			
Dimethylphthalate	73	75	70-112	3	30			
2,6-Dinitrotoluene	73	73	66-116	0	30			
Fluorene	36*	43*	48-130	16	30			
4-Chlorophenyl-phenylether	68	69	50-128	1	30			
Diethylphthalate	77	78	71-112	1	30			
1,2-Diphenylhydrazine	39	39	26-141	0	30			
N-Nitrosodiphenylamine	74	75	59-133	1	30			
4-Bromophenyl-phenylether	69	69	69-119	0	30			
Hexachlorobenzene	45*	49*	59-130	7	30			
Phenanthrene	9*	37	28-155	69*	30			
Anthracene	15*	22*	47-135	31*	30			
Di-n-butylphthalate	78	78	67-119	1	30			
Fluoranthene	-5*	15*	32-137	70*	30			
Benzidine	6*	6*	20-173	5	30			
Butylbenzylphthalate	77	77	55-131	0	30			
Benzo(a)anthracene	-1*	4*	39-144	65*	30			
Chrysene	0*	5*	38-144	64*	30			
3,3'-Dichlorobenzidine	26	29	10-133	9	30			
bis(2-Ethylhexyl)phthalate	78	80	54-141	2	30			
Di-n-octylphthalate	78	79	47-144	2	30			
Benzo(b)fluoranthene	-1*	3*	24-155	70*	30			
Benzo(k)fluoranthene	0*	3	2-176	66*	30			
Benzo(a)pyrene	-1*	2*	38-142	71*	30			
Indeno(1,2,3-cd)pyrene	0*	1	1-186	65*	30			
Dibenz(a,h)anthracene	1*	2*	44-154	57*	30			
Benzo(g,h,i)perylene	-1*	1*	32-150	65*	30			
Batch number: 05237102201B	Sample number(s): 4589750-4589754							
Total Cyanide	99	52-135			N.D.	N.D.	200* (1)	17
Batch number: 052371848003	Sample number(s): 4589762							
Thallium	104	103	89-112	1	20	N.D.	N.D.	172* (1) 20
Arsenic	106	106	86-119	0	20	N.D.	N.D.	31* (1) 20
Selenium	103	102	75-125	1	20	N.D.	N.D.	118* (1) 20
Antimony	108	108	75-125	0	20	N.D.	N.D.	1000* (1) 20
Beryllium	105	106	91-117	1	20	N.D.	N.D.	40* (1) 20
Cadmium	104	105	87-117	1	20	N.D.	N.D.	76* (1) 20
Chromium	104	103	86-118	1	20	N.D.	N.D.	72* (1) 20
Copper	106	105	89-119	0	20	N.D.	N.D.	26* (1) 20
Lead	103	102	87-118	1	20	N.D.	N.D.	10300* (1) 20
Nickel	102	102	91-111	0	20	N.D.	N.D.	739* (1) 20
Silver	110	112	75-125	2	20	N.D.	N.D.	1369* (1) 20
Zinc	103	102	80-120	0	20	N.D.	N.D.	99* (1) 20
Batch number: 052375708001	Sample number(s): 4589750-4589761							
Thallium	97	95	86-106	2	20	2.07	3.24	44* (1) 20
Arsenic	99	98	75-112	2	20	4.58	6.18	30* (1) 20

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## Quality Control Summary

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Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Selenium	102	100	81-112	2	20	N.D.	N.D.	64* (1)
Antimony	57*	42*	75-125	31*	20	N.D.	N.D.	30* (1)
Beryllium	104	102	89-114	2	20	0.439 J	0.475 J	8 (1)
Cadmium	95	93	75-125	2	20	N.D.	N.D.	13 (1)
Chromium	137*	100	75-125	13	20	30.7	38.6	23*
Copper	99	99	75-125	0	20	9.51	11.0	14
Lead	96	94	75-125	2	20	9.23	9.59	4 (1)
Nickel	101	100	75-125	0	20	11.0	12.5	12
Silver	104	102	82-116	2	20	N.D.	N.D.	6 (1)
Zinc	84	86	75-125	1	20	25.6	21.0	20
Batch number: 052375711001	Sample number(s): 4589750-4589761							
Mercury	92	43*	80-120	63*	20	0.0166 J	0.0211 J	24* (1)
Batch number: 05238102201A	Sample number(s): 4589755-4589758							
Total Cyanide	101		52-135			N.D.	N.D.	200* (1)
Batch number: 05238102201B	Sample number(s): 4589759-4589761							
Total Cyanide	102		52-135			N.D.	N.D.	0 (1)
Batch number: 05241113201A	Sample number(s): 4589750-4589759							
Phenols	111	88	38-175	23	26			
Batch number: 05241113201B	Sample number(s): 4589760-4589761							
Phenols	76	72	38-175	5	26			
Batch number: W052361AB	Sample number(s): 4589762							
Methyl Tertiary Butyl Ether	94		69-134					
t-Butyl alcohol	108		51-147					
Chloromethane	71*		72-208					
Vinyl Chloride	66*		81-150					
Bromomethane	73		59-143					
Chloroethane	72		63-142					
Trichlorofluoromethane	84		77-177					
1,1-Dichloroethene	81*		87-145					
Methylene Chloride	87		79-133					
trans-1,2-Dichloroethene	74*		82-133					
1,1-Dichloroethane	88		85-135					
cis-1,2-Dichloroethene	81*		83-126					
Chloroform	90		82-131					
1,1,1-Trichloroethane	86		81-142					
Carbon Tetrachloride	87		79-155					
Benzene	85		83-128					
1,2-Dichloroethane	94		73-136					
Trichloroethene	75*		83-136					
1,2-Dichloropropane	88		83-129					
Bromodichloromethane	90		80-129					
Toluene	82*		83-127					
1,1,2-Trichloroethane	93		77-125					
Tetrachloroethene	77*		78-133					
Dibromochloromethane	98		73-119					
Chlorobenzene	79*		83-120					
Ethylbenzene	79*		82-129					
Bromoform	92		64-119					

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Group Number: 956536

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
1,1,2,2-Tetrachloroethane	92		69-121					
1,2-Dibromoethane	90		78-120					
trans-1,3-Dichloropropene	81		75-117					
cis-1,3-Dichloropropene	82		76-117					
Xylene (Total)	80*		82-130					
Acrylonitrile	99		54-132					
Acrolein	41		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					
Batch number: X052421AB	Sample number(s): 4589754-4589755							
Methyl Tertiary Butyl Ether	66		49-140					
t-Butyl alcohol	62		46-148					
Chloromethane	82		60-132					
Vinyl Chloride	83		60-126					
Bromomethane	74		52-121					
Chloroethane	78		60-122					
Trichlorofluoromethane	83		53-142					
1,1-Dichloroethene	77		62-133					
Methylene Chloride	68		59-135					
trans-1,2-Dichloroethene	78		64-125					
1,1-Dichloroethane	76		65-125					
cis-1,2-Dichloroethene	76		63-125					
Chloroform	75		65-126					
1,1,1-Trichloroethane	78		59-134					
Carbon Tetrachloride	81		53-138					
Benzene	77		67-123					
1,2-Dichloroethane	72		62-130					
Trichloroethene	78		62-126					
1,2-Dichloropropane	73		64-120					
Bromodichloromethane	74		65-118					
Toluene	78		55-125					
1,1,2-Trichloroethane	71		62-122					
Tetrachloroethene	80		45-151					
Dibromochloromethane	71		62-120					
Chlorobenzene	78		62-116					
Ethylbenzene	79		50-127					
Bromoform	68		52-123					
1,1,2,2-Tetrachloroethane	70		37-142					
1,2-Dibromoethane	71		62-116					
trans-1,3-Dichloropropene	76		61-121					
cis-1,3-Dichloropropene	70		54-122					
Xylene (Total)	77		54-123					
Acrolein	57		12-136					
Acrylonitrile	65		47-125					
Batch number: X052421AC	Sample number(s): 4589750-4589753, 4589756-4589757							
Methyl Tertiary Butyl Ether	66		49-140					
t-Butyl alcohol	62		46-148					
Chloromethane	82		60-132					
Vinyl Chloride	83		60-126					
Bromomethane	74		52-121					
Chloroethane	78		60-122					
Trichlorofluoromethane	83		53-142					
1,1-Dichloroethene	77		62-133					

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## Quality Control Summary

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Group Number: 956536

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Analysis Name								Max
Methylene Chloride	68		59-135					
trans-1,2-Dichloroethene	78		64-125					
1,1-Dichloroethane	76		65-125					
cis-1,2-Dichloroethene	76		63-125					
Chloroform	75		65-126					
1,1,1-Trichloroethane	78		59-134					
Carbon Tetrachloride	81		53-138					
Benzene	77		67-123					
1,2-Dichloroethane	72		62-130					
Trichloroethene	78		62-126					
1,2-Dichloropropane	73		64-120					
Bromodichloromethane	74		65-118					
Toluene	78		55-125					
1,1,2-Trichloroethane	71		62-122					
Tetrachloroethene	80		45-151					
Dibromochloromethane	71		62-120					
Chlorobenzene	78		62-116					
Ethylbenzene	79		50-127					
Bromoform	68		52-123					
1,1,2,2-Tetrachloroethane	70		37-142					
1,2-Dibromoethane	71		62-116					
trans-1,3-Dichloropropene	76		61-121					
cis-1,3-Dichloropropene	70		54-122					
Xylene (Total)	77		54-123					
Acrolein	57		12-136					
Acrylonitrile	65		47-125					
Batch number: X052431AA Sample number(s): 4589758-4589761								
Methyl Tertiary Butyl Ether	80	93	49-140	11	30			
t-Butyl alcohol	111	123	46-148	6	30			
Chloromethane	116	118	60-132	2	30			
Vinyl Chloride	113	114	60-126	3	30			
Bromomethane	99	100	52-121	2	30			
Chloroethane	100	98	60-122	5	30			
Trichlorofluoromethane	114	115	53-142	3	30			
1,1-Dichloroethene	86	97	62-133	9	30			
Methylene Chloride	76	87	59-135	9	30			
trans-1,2-Dichloroethene	77	89	64-125	11	30			
1,1-Dichloroethane	87	98	65-125	8	30			
cis-1,2-Dichloroethene	83	95	63-125	9	30			
Chloroform	86	100	65-126	11	30			
1,1,1-Trichloroethane	85	100	59-134	13	30			
Carbon Tetrachloride	83	99	53-138	13	30			
Benzene	95	99	67-123	0	30			
1,2-Dichloroethane	87	98	62-130	8	30			
Trichloroethene	76	90	62-126	14	30			
1,2-Dichloropropane	82	93	64-120	9	30			
Bromodichloromethane	79	94	65-118	14	30			
Toluene	100	110	55-125	6	30			
1,1,2-Trichloroethane	82	100	62-122	16	30			
Tetrachloroethene	72	97	45-151	27	30			
Dibromochloromethane	77	96	62-120	18	30			
Chlorobenzene	70	92	62-116	23	30			
Ethylbenzene	72	94	50-127	22	30			

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## Quality Control Summary

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Group Number: 956536

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Bromoform	65	83	52-123	21	30			
1,1,2,2-Tetrachloroethane	79	113	37-142	32*	30			
1,2-Dibromoethane	76	96	62-116	20	30			
trans-1,3-Dichloropropene	79	99	61-121	20	30			
cis-1,3-Dichloropropene	70	85	54-122	15	30			
Xylene (Total)	71	93	54-123	23	30			
Acrolein	85	87	12-136	2	30			
Acrylonitrile	86	99	47-125	10	30			

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052360003A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4589762	94	96
Blank	81	103
LCS	94	77
LCSD	93	100
Limits:	45-125	47-155

Analysis Name: Pesticides/PCBs in Solids  
Batch number: 052360014A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4589750	76	379*
4589751	109	259*
4589752	67	379*
4589753	67	854*
4589754	106	205*
4589755	93	98
4589756	107	136
4589757	71	568*
4589758	96	107
4589759	95	341*
4589760	82	556*
4589761	104	113
Blank	114	105
LCS	100	104
MS	57*	285*
MSD	100	600*
Limits:	58-149	62-159

Analysis Name: TCL SW846 Semivolatiles Soil  
Batch number: 05236SLF026

	Phenol-d6	2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5
4589750	67	66	50	62
4589751	84	86	74	79

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Surrogate Quality Control

4589752	82	85	74	79
4589753	90	91	78	78
4589754	82	85	78	77
4589755	83	88	76	83
4589756	85	87	77	84
4589757	87	88	82	84
4589758	73	74	72	71
4589759	57	58	58	57
4589760	89	92	79	91
4589761	83	86	80	81
Blank	96	100	81	93
LCS	91	94	83	89
MS	73	75	59	72
MSD	76	77	55	71

Limits:	45-120	50-118	46-136	47-128
	2-Fluorobiphenyl	Terphenyl-d14		

4589750	55	24*
4589751	81	85
4589752	80	82
4589753	79	83
4589754	81	84
4589755	82	86
4589756	85	89
4589757	88	97
4589758	71	78
4589759	60	68
4589760	91	93
4589761	81	93
Blank	92	101
LCS	90	104
MS	69	28*
MSD	66	24*

Limits:	55-123	51-158
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Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05236WAD026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4589762	65	39	90	96
Blank	68	43	89	95
LCS	67	44	94	97
LCSD	68	44	92	94

Limits:	10-99	10-80	31-148	51-123
	2-Fluorobiphenyl	Terphenyl-d14		

4589762	96	104
Blank	94	106
LCS	99	111
LCSD	95	107

Limits:	64-112	52-151
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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Surrogate Quality Control

Analysis Name: 8260 Special Cmpds for Soils

Batch number: Q052363AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4589763	90	94	81	82
Blank	86	83	77	78
LCS	101	99	93	95
LCSD	105	104	96	98
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Waters

Batch number: W052361AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4589762	98	99	107	103
Blank	100	100	106	104
LCS	99	101	110	109
LCSD	99	100	110	109
MS	101	100	107	106
Limits:	81-120	82-112	85-112	83-113

Analysis Name: 8260 Special Cmpds for Soils

Batch number: X052421AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4589754	87	83	94	85
4589755	88	87	91	90
Blank	88	86	92	90
LCS	89	84	93	92
LCSD	87	88	93	90
MS	89	88	92	91
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Soils

Batch number: X052421AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4589750	88	81	97	86
4589751	89	85	97	83
4589752	89	82	99	80
4589753	88	72	115	73
4589756	88	73	100	83
4589757	88	88	96	88
Blank	88	87	91	90
LCS	89	84	93	92
LCSD	87	88	93	90
MS	89	88	92	91
Limits:	70-129	70-121	70-130	70-128

Analysis Name: 8260 Special Cmpds for Soils

Batch number: X052431AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4589758	88	87	90	90

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/07/05 at 04:09 PM

Group Number: 956536

### Surrogate Quality Control

4589759	93	88	104	75
4589760	87	82	95	87
4589761	88	86	90	89
Blank	87	86	90	89
LCS	88	88	91	90
MS	90	89	97	82
MSD	91	91	100	79
Limits:	70-129	70-121	70-130	70-128

\*- Outside of specification

\*\*\_This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

For Lancaster Laboratories use only

Group No.: 956536

Sample Nos.: 4551790-63

Acc't No.: 11549

SCR No.:

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		<b>Analyses Requested</b>														<b>Remarks:</b>															
Project Manager: <u>[REDACTED]</u>		Quote #:																															
Project Name/#: <u>Former Metro Container Investigation</u>																																	
Sampler: <u>[REDACTED]</u>																																	
P.O. #: <u>241133-010101</u>																																	
Name of state where samples were collected: <u>PA</u>																																	
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pestic/PCBs	Phenol	Cyanide	Moisture																
05-MET-052	8/23/05	0730	X		X			4	X	X	X	X	X	X	X	X	X																N(4-14.5)
05-MET-055	"	0810	X		X			4	X	X	X	X	X	X	X	X	X																N(5-5.5')
05-MET-054	"	0830	X		X			4	X	X	X	X	X	X	X	X	X																N(2-2.5')
05-MET-053	"	0930	X		X			4	X	X	X	X	X	X	X	X	X																N(5.5-6)
05-MET-041	"	1020	X		X			4	X	X	X	X	X	X	X	X	X																N(2-2.5')
05-MET-046	"	1040	X		X			4	X	X	X	X	X	X	X	X	X																N(5.5-6)
05-MET-056	"	1110	X		X			4	X	X	X	X	X	X	X	X	X																N(4.5-5)
EB08230500	"	1100	-		X			11	X	X	X	X	X	X	X	X																	EB
EB0823055	"	1130	-		X			11	X	X	X	X	X	X	X	X																	EB
TR082305W	"		-		X			2	X	X																							TB

Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush		Relinquished by: <u>[REDACTED]</u>		Date: <u>8/23/05</u> Time: <u>15:35</u>		Received by: <u>[REDACTED]</u>		Date: <u>8/23/05</u> Time: <u>15:35</u>	
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)		Relinquished by: <u>[REDACTED]</u>		Date: <u>8/23/05</u> Time: <u>17:50</u>		Received by: <u>[REDACTED]</u>		Date: Time:	
Date results are needed:		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	
Rush results requested by (please circle): Fax Email		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	
Fax #: Email address:		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	
Data Package Options (please circle if required):		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	
QC Summary		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	
Type I (Tier I)		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	
Type II (Tier II)		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	
Type III (NJ Reduced Del.)		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	
Type IV (CLP)		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	
Type VI (Raw Data)		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	
GLP		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	
Other		Relinquished by: <u>[REDACTED]</u>		Date: Time:		Received by: <u>[REDACTED]</u>		Date: Time:	

## Analysis Request / Environmental Services Chain of Custody

## Analysis Request / Environmental Services Chain of Custody

**For Lancaster Laboratories use only**

**Group No.:**

**Sample Nos.:**

Acc't No.: 11549

**SCR No.:**

Cooler temperature upon receipt: \_\_\_\_\_ °C

[illegible]

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300

**Copies:** White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

AR103018

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**ANALYTICAL RESULTS**

Prepared for:

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 956537. Samples arrived at the laboratory on Tuesday, August 23, 2005. The PO# for this group is 2111133.5640.010101.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
05-MET-052 Grab Water Sample	4589764
05-MET-052 Filtered Grab Water Sample	4589765
05-MET-055 Grab Water Sample	4589766
05-MET-055 Filtered Grab Water Sample	4589767
05-MET-053 Grab Water Sample	4589768
05-MET-053 Filtered Grab Water Sample	4589769
05-MET-134 Grab Water Sample	4589770
05-MET-134 Filtered Grab Water Sample	4589771
05-MET-133 Grab Water Sample	4589772
05-MET-135 Grab Water Sample	4589774
05-MET-056 Grab Water Sample	4589775
05-MET-056 Filtered Grab Water Sample	4589776
05-MET-128 Grab Water Sample	4589777
05-MET-128 Filtered Grab Water Sample	4589778
05-MET-074 Grab Water Sample	4589779
05-MET-074 Filtered Grab Water Sample	4589780
05-MET-040 Grab Water Sample	4589781
EB082305W Equipment Blank Water Sample	4589782
TB082305W Trip Blank Water Sample	4589783

1 COPY TO      Montgomery Watson Harza

Attn: [REDACTED]

Questions? Contact your Client Services Representative  
[REDACTED] at (717) 656-2300

Respectfully Submitted,

[REDACTED]

Group Leader



**Lancaster Laboratories Sample No. WW 4589764**

**05-MET-052 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:50  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-052

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	61.5	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	82.2	25.0	50.0	ug/l	1
07035	Arsenic	7440-38-2	433.	23.3	50.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	23.5	50.0	ug/l	1
07044	Antimony	7440-36-0	28.6 J	16.0	50.0	ug/l	1
07047	Beryllium	7440-41-7	47.9	1.1	12.5	ug/l	1
07049	Cadmium	7440-43-9	35.5	2.4	12.5	ug/l	1
07051	Chromium	7440-47-3	1,390.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	870.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	5,650.	21.0	50.0	ug/l	1
07061	Nickel	7440-02-0	1,510.	14.5	25.0	ug/l	1
07066	Silver	7440-22-4	17.9	5.0	12.5	ug/l	1
07072	Zinc	7440-66-6	44,600.	13.3	50.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
After receipt the pH of this container was adjusted to >12.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0093	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103022

Lancaster Laboratories Sample No. WW 4589764

05-MET-052 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:50  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-052

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl) ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	10.	J 10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103023

Lancaster Laboratories Sample No. WW 4589764

05-MET-052 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:50

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-052

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103024

**Lancaster Laboratories Sample No. WW 4589764**
**05-MET-052 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:50

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

W-052

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample. The initial analysis for GC/MS volatiles could not be reported due to analytical difficulties. The remaining sample vial broke. Therefore, the analysis was repeated using a previously opened vial.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container was adjusted to &lt;2

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:12	<span style="background-color: black; color: black;">[REDACTED]</span>	50
07022	Thallium	SW-846 6010B	3	08/28/2005 23:19	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	3	08/25/2005 21:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	3	08/25/2005 21:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	3	08/25/2005 21:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	3	08/25/2005 21:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	3	08/28/2005 23:19	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	2	08/25/2005 21:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	2	08/25/2005 21:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	3	08/25/2005 21:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	3	08/25/2005 21:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	3	08/25/2005 21:24	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR103025

**Lancaster Laboratories Sample No. WW 4589764**

**05-MET-052 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:50  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-052

07072	Zinc	SW-846 6010B	3	08/28/2005 23:19	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/29/2005 12:25	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07879	EDB	SW-846 8011	1	08/30/2005 01:37	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/26/2005 23:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07582	PPL Volatiles	SW-846 8260B	1	08/25/2005 10:29	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/25/2005 04:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/25/2005 10:29	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07786	EDB Extraction	SW-846 8011	1	08/25/2005 12:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4589764	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP09137.i/05aug25a.b/wg25s03.d	
Level: (low/med) LOW	Date Received: 08/23/05	
% Moisture: not dec.	Date Analyzed: 08/25/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR103027

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4589764  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0953.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture:              Decanted: (Y/N)              Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/26/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 3 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.647	51	J
2.	Unknown	2.887	41	J
3.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.040	43	J
4.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR103028

**Lancaster Laboratories Sample No. WW 4589765**
**05-MET-052 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:50  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	16.5	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	2.3 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	40.8	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:14	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07022	Thallium	SW-846 6010B	1	08/28/2005 23:38	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/25/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/25/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/25/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/25/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/25/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/25/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/25/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/25/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/25/2005 21:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR103029



Lancaster Laboratories Sample No. WW 4589766

05-MET-055 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:50  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-055

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury The quantitation limit for mercury was increased due to the nature of the sample matrix.	7439-97-6	8.6 J	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	69.7	25.0	50.0	ug/l	1
07035	Arsenic	7440-38-2	316.	23.3	50.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	23.5	50.0	ug/l	1
07044	Antimony	7440-36-0	32.9 J	16.0	50.0	ug/l	1
07047	Beryllium	7440-41-7	89.5	1.1	12.5	ug/l	1
07049	Cadmium	7440-43-9	37.0	2.4	12.5	ug/l	1
07051	Chromium	7440-47-3	2,030.	12.0	37.5	ug/l	1
07053	Copper	7440-50-8	3,830.	4.5	25.0	ug/l	1
07055	Lead	7439-92-1	7,050.	21.0	50.0	ug/l	1
07061	Nickel	7440-02-0	1,580.	14.5	25.0	ug/l	1
07066	Silver	7440-22-4	18.6	5.0	12.5	ug/l	1
07072	Zinc	7440-66-6	9,670.	13.3	50.0	ug/l	1
02393	Phenols Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.	n.a.	N.D.	18.	60.	ug/l	1
08255	Total Cyanide After receipt the pH of this container was adjusted to >12.	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	0.11 J	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	0.24	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	0.19 J	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103030

Lancaster Laboratories Sample No. WW 4589766

05-MET-055 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:50  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-055

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103031

Lancaster Laboratories Sample No. **WW 4589766**

**05-MET-055 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:50

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-055

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR103032

Lancaster Laboratories Sample No. WW 4589766

05-MET-055 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:50  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-055

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	0.5 J	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.  
Matrix QC was performed on this sample for the GC/MS volatile analysis.  
Please see the attached QC summary report for compounds showing a matrix

\*=This limit was used in the evaluation of the final result

AR103033

**Lancaster Laboratories Sample No. WW 4589766**
**05-MET-055 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:50

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

W-055

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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bias.

The initial analysis for GC/MS volatiles could not be reported because of analytical difficulties. Because this sample was used for batch QC, a previously opened vial was used for the analysis.

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container was adjusted to &lt;2

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:20	<span style="background-color: black; color: black;">[REDACTED]</span>	50
07022	Thallium	SW-846 6010B	2	08/28/2005 23:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	2	08/25/2005 21:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	2	08/25/2005 21:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	2	08/25/2005 21:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	2	08/25/2005 21:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	2	08/28/2005 23:42	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	2	08/25/2005 21:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	2	08/25/2005 21:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	2	08/25/2005 21:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	2	08/25/2005 21:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	2	08/25/2005 21:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	2	08/25/2005 21:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
02393	Phenols	SW846 9066	1	08/29/2005 12:26	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR103034

Lancaster Laboratories Sample No. WW 4589766

05-MET-055 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:50  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-055							
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:43		1	
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 13:58		1	
07879	EDB	SW-846 8011	1	08/30/2005 02:07		1	
04678	PPL Semivolatiles	SW-846 8270C	1	08/27/2005 00:04		1	
07582	PPL Volatiles	SW-846 8260B	1	08/25/2005 10:52		1	
00813	BNA Water Extraction	SW-846 3510C	1	08/25/2005 04:00		1	
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/24/2005 22:00		1	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/25/2005 10:52		n.a.	
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45		1	
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00		1	
07786	EDB Extraction	SW-846 8011	1	08/25/2005 12:30		1	
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/26/2005 15:00		1	
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40		1	

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4589766	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP09137.i/05aug25a.b/wg25s04.d	
Level: (low/med) LOW	Date Received: 08/23/05	
% Moisture: not dec.	Date Analyzed: 08/25/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR103036

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4589766  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0954.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture:              Decanted: (Y/N)              Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/27/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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6.				
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30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR103037



**Lancaster Laboratories Sample No. WW 4589767**
**05-MET-055 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:51  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	0.098 J	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	13.7 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	0.99 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	11.0 J	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	27.6	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	62.9	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	157.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	3.3 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	298.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:21	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07022	Thallium	SW-846 6010B	1	08/28/2005 23:52	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 21:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/25/2005 21:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/25/2005 21:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 21:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/25/2005 21:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/25/2005 21:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/25/2005 21:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/25/2005 21:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/25/2005 21:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/25/2005 21:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/25/2005 21:51	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR103038

**Lancaster Laboratories Sample No. WW 4589768**
**05-MET-053 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:51  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-053

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury The quantitation limit for mercury was increased due to the nature of the sample matrix.	7439-97-6	6.4 J	3.1	10.0	ug/l	50
07022	Thallium	7440-28-0	175. J	125.	250.	ug/l	5
07035	Arsenic	7440-38-2	300.	23.3	50.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	23.5	50.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	16.0	50.0	ug/l	1
07047	Beryllium	7440-41-7	97.6	1.1	12.5	ug/l	1
07049	Cadmium The quantitation limit for cadmium and thallium were increased due to high amounts of iron in the sample.	7440-43-9	94.0	12.1	62.5	ug/l	5
07051	Chromium	7440-47-3	13,800.	12.0	37.5	ug/l	1
07053	Copper	7440-50-8	3,440.	4.5	25.0	ug/l	1
07055	Lead	7439-92-1	2,610.	21.0	50.0	ug/l	1
07061	Nickel	7440-02-0	4,690.	14.5	25.0	ug/l	1
07066	Silver	7440-22-4	44.7	5.0	12.5	ug/l	1
07072	Zinc	7440-66-6	9,530.	13.3	50.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	0.049 J	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	0.20	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	0.41	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	0.50	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	0.56	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103039

Lancaster Laboratories Sample No. WW 4589768

05-MET-053 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:51  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-053

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0087	0.026	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103040

**Lancaster Laboratories Sample No. WW 4589768**
**05-MET-053 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:51

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-053

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	18. J	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	20. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	20. J	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	17. J	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	13. J	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	11. J	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	12. J	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR103041

**Lancaster Laboratories Sample No. WW 4589768**
**05-MET-053 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:51

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-053

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles			Detection Limit*			
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.8 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

\*=This limit was used in the evaluation of the final result

AR103042

Lancaster Laboratories Sample No. WW 4589768

05-MET-053 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:51

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

W-053

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

After receipt the pH of the metals container was adjusted to &lt;2

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:23	[REDACTED]	50
07022	Thallium	SW-846 6010B	2	08/29/2005 00:01	[REDACTED]	5
07035	Arsenic	SW-846 6010B	2	08/25/2005 21:56	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/25/2005 21:56	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/25/2005 21:56	[REDACTED]	1
07047	Beryllium	SW-846 6010B	2	08/25/2005 21:56	[REDACTED]	1
07049	Cadmium	SW-846 6010B	2	08/29/2005 00:01	[REDACTED]	5
07051	Chromium	SW-846 6010B	2	08/25/2005 21:56	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/25/2005 21:56	[REDACTED]	1
07055	Lead	SW-846 6010B	2	08/25/2005 21:56	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/25/2005 21:56	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/25/2005 21:56	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/25/2005 21:56	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/29/2005 12:28	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:47	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 14:18	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/30/2005 02:37	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/27/2005 00:26	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/25/2005 11:40	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/25/2005 04:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/24/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/25/2005 11:40	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR103043

**Lancaster Laboratories Sample No. WW 4589768****05-MET-053 Grab Water Sample****Former Metro Container Investigation**Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:51

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

W-053

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07786	EDB Extraction	SW-846 8011	1	08/25/2005 12:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	<span style="background-color: black; color: black;">[REDACTED]</span>	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4589768  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP09137.i/05aug25a.b/wg25s06.d  
 Level: (low/med) LOW      Date Received: 08/23/05  
 % Moisture: not dec.      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR103045



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4589768  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0955.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/27/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 6 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.647	100	J
2.	Unknown	2.887	95	J
3.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.040	44	J
4.	Unknown	7.787	41	J
5.	Unknown	7.941	1100	J
6.	11H-Benzo[b]fluorene	9.607	810	JX
7.				
8.				
9.				
10.				
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12.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR103046



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4589769

05-MET-053 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:52  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection Limit*	Quantitation		
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	32.0	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	324.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	10.2	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	657.	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/25/2005 09:24	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/29/2005 00:06	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 22:01	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/25/2005 22:01	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/25/2005 22:01	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 22:01	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/25/2005 22:01	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/25/2005 22:01	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/25/2005 22:01	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/25/2005 22:01	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/25/2005 22:01	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/25/2005 22:01	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/25/2005 22:01	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR103047

**Lancaster Laboratories Sample No. WW 4589770**

**05-MET-134 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:52  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-134

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	1.2	4.0	ug/l	20
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	31.7	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	7.7	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	342.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	121.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	80.9	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	179.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	508.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
	After receipt the pH of this container was adjusted to >12.						
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0096	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.039	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0096	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0096	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0096	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0096	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.019	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.019	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0096	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0039	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.068	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.96	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0039	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0096	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.096	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.096	0.48	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103048

Lancaster Laboratories Sample No. WW 4589770

05-MET-134 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:52  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-134

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.096	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.096	0.48	ug/l	1
01623	PCB-1248	12672-29-6	0.50	0.096	0.48	ug/l	1
01624	PCB-1254	11097-69-1	0.32 J	0.14	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.096	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.096	ug/l	1
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits obtainable for 4,4'-DDE and 4,4'-DDT. Despite cleanup methods, we were unable to reach our usual reporting limits.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103049

Lancaster Laboratories Sample No. WW 4589770

05-MET-134 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-134

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR103050

Lancaster Laboratories Sample No. WW 4589770

05-MET-134 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:52  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-134

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of Quantitation	Units	Dilution Factor
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.6 J	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

\*=This limit was used in the evaluation of the final result

AR103051

Lancaster Laboratories Sample No. WW 4589770

05-MET-134 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:52

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

W-134

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00890	VOA GC/MS Library Search The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:28	[REDACTED]	20
07022	Thallium	SW-846 6010B	1	08/29/2005 00:11	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 22:06	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/25/2005 22:06	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/25/2005 22:06	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 22:06	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/29/2005 00:11	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/25/2005 22:06	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/25/2005 22:06	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/25/2005 22:06	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/25/2005 22:06	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/25/2005 22:06	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/25/2005 22:06	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/29/2005 12:31	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/24/2005 20:48	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 14:39	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/30/2005 03:06	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/27/2005 00:47	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/25/2005 12:08	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/25/2005 04:00	[REDACTED]	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/24/2005 22:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/25/2005 12:08	[REDACTED]	n.a.

\*=This limit was used in the evaluation of the final result

AR103052

**Lancaster Laboratories Sample No. WW 4589770****05-MET-134 Grab Water Sample****Former Metro Container Investigation**

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:52

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

W-134

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1
07786	EDB Extraction	SW-846 8011	1	08/25/2005 12:30	[REDACTED]	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	[REDACTED]	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/24/2005 10:40	[REDACTED]	1



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4589770	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP09137.i/05aug25a.b/wg25s07.d	
Level: (low/med) LOW	Date Received: 08/23/05	
% Moisture: not dec.	Date Analyzed: 08/25/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR103054

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4589770  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0956.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture:              Decanted: (Y/N)              Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/27/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR103055

**Lancaster Laboratories Sample No. WW 4589771**
**05-MET-134 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:52  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	9.9 J	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	66.3	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:37	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07022	Thallium	SW-846 6010B	1	08/29/2005 00:20	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 22:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/25/2005 22:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/25/2005 22:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 22:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/25/2005 22:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/25/2005 22:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/25/2005 22:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/25/2005 22:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/25/2005 22:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/25/2005 22:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/25/2005 22:12	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR103056

Lancaster Laboratories Sample No. WW 4589772

05-MET-133 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:52  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-133

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103057

Lancaster Laboratories Sample No. WW 4589772

05-MET-133 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:52  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-133

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

07582 PPL Volatiles

02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103058

Lancaster Laboratories Sample No. WW 4589772

05-MET-133 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:52

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-133

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

\*=This limit was used in the evaluation of the final result

AR103059

Lancaster Laboratories Sample No. WW 4589772

05-MET-133 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:52

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

W-133

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/30/2005 04:05	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/27/2005 01:09	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/25/2005 12:32	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/25/2005 04:00	[REDACTED]	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/25/2005 12:32	[REDACTED]	n.a.
07786	EDB Extraction	SW-846 8011	1	08/25/2005 12:30	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	EPA SAMPLE NO.: _____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4589772	SDG No.: _____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP09137.i/05aug25a.b/wg25s08.d	
Level: (low/med) LOW	Date Received: 08/23/05	
% Moisture: not dec.	Date Analyzed: 08/25/05	
Column: (pack/cap) CAP	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR103061



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4589772  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0957.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: \_\_\_\_\_ Decanted: (Y/N) Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/27/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 1 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	12.270	120	J
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR103062

**Lancaster Laboratories Sample No. WW 4589774**

**05-MET-135 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:53

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-135

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	5.9 J	3.1	10.0	ug/l	50
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	367.	125.	250.	ug/l	5
07035	Arsenic	7440-38-2	563.	116.	250.	ug/l	5
07036	Selenium	7782-49-2	188. J	118.	250.	ug/l	5
07044	Antimony	7440-36-0	N.D.	80.0	250.	ug/l	5
07047	Beryllium	7440-41-7	255.	5.5	62.5	ug/l	5
07049	Cadmium	7440-43-9	N.D.	12.1	62.5	ug/l	5
07051	Chromium	7440-47-3	17,100.	60.0	188.	ug/l	5
07053	Copper	7440-50-8	3,940.	22.5	125.	ug/l	5
07055	Lead	7439-92-1	2,760.	105.	250.	ug/l	5
07061	Nickel	7440-02-0	5,770.	72.5	125.	ug/l	5
07066	Silver	7440-22-4	N.D.	25.0	62.5	ug/l	5
07072	Zinc	7440-66-6	12,900.	66.3	250.	ug/l	5
	The quantitation limits for the ICP metals were increased due to the high amounts of yttrium in the sample.						
02393	Phenols	n.a.	22. J	18.	60.	ug/l	1
	Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.						
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.020	0.10	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.12	0.40	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.020	0.10	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.038	0.10	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.020	0.10	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.050	0.20	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.020	0.10	ug/l	1
01607	p,p-DDE	72-55-9	0.17 J	0.040	0.20	ug/l	1
01608	p,p-DDD	72-54-8	0.18 J	0.060	0.20	ug/l	1
01609	p,p-DDT	50-29-3	1.9	0.060	0.20	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.10	0.30	ug/l	1
01611	Endrin	72-20-8	N.D.	0.040	0.20	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.70	5.0	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	3.0	10.	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.040	0.20	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.020	0.10	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103063

Lancaster Laboratories Sample No. WW 4589774

05-MET-135 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:53  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-135

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.060	0.20	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.23	1.0	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	1.0	5.0	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	1.1	5.0	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	1.0	5.0	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	1.0	5.0	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	1.0	5.0	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	1.4	5.0	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	1.0	5.0	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.30	1.0	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103064

Lancaster Laboratories Sample No. WW 4589774

05-MET-135 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:53

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-135

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the

\*=This limit was used in the evaluation of the final result

AR103065

Lancaster Laboratories Sample No. WW 4589774

05-MET-135 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:53  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-135

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
	normal reporting limits could not be obtained.						
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	2. J	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	15.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	3. J	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	4. J	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						

\*=This limit was used in the evaluation of the final result

AR103066

**Lancaster Laboratories Sample No. WW 4589774**
**05-MET-135 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:53

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

W-135

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:39	[REDACTED]	50
07022	Thallium	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
07035	Arsenic	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
07036	Selenium	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
07044	Antimony	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
07047	Beryllium	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
07049	Cadmium	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
07051	Chromium	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
07053	Copper	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
07055	Lead	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
07061	Nickel	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
07066	Silver	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
07072	Zinc	SW-846 6010B	2	08/29/2005 00:34	[REDACTED]	5
02393	Phenols	SW846 9066	1	08/29/2005 12:33	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/26/2005 12:50	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 15:00	[REDACTED]	1
07879	EDB	SW-846 8011	1	08/30/2005 04:35	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/27/2005 01:31	[REDACTED]	1
07582	PPL Volatiles	SW-846 8260B	1	08/25/2005 12:55	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/25/2005 04:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR103067

**Lancaster Laboratories Sample No. WW 4589774**

**05-MET-135 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/23/2005 by ■

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:53

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

W-135

00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/24/2005 22:00	■■■■■■■■■■	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/25/2005 12:55	■■■■■■■■■■■■■■■■■■■■	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	■■■■■■■■■■■■■■■■■■	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	■■■■■■■■■■■■■■■■■■	1
07786	EDB Extraction	SW-846 8011	1	08/25/2005 12:30	■■■■■■■■■■■■■■■■■■■■	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	■■■■■■■■■■■■■■■■■■	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/25/2005 15:00	■■■■■■■■■■■■■■■■■■	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories      Contract: \_\_\_\_\_  
 Lab Code: LANCAS      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER      Lab Sample ID: 4589774  
 Sample wt/vol: 5.0 (g/mL)mL      Lab File ID: HP09137.i/05aug25a.b/wg25s09.d  
 Level: (low/med) LOW      Date Received: 08/23/05  
 % Moisture: not dec.      Date Analyzed: 08/25/05  
 Column: (pack/cap) CAP      Dilution Factor: 1.0  
    CONCENTRATION UNITS:  
    (ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR103069



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4589774  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0958.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture:                      Decanted: (Y/N)                      Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/27/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR103070

Lancaster Laboratories Sample No. WW 4589775

05-MET-056 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:53  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-056

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	14.5	1.2	4.0	ug/l	20
07022	Thallium	7440-28-0	64.4	25.0	50.0	ug/l	1
07035	Arsenic	7440-38-2	269.	23.3	50.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	23.5	50.0	ug/l	1
07044	Antimony	7440-36-0	23.8 J	16.0	50.0	ug/l	1
07047	Beryllium	7440-41-7	40.8	1.1	12.5	ug/l	1
07049	Cadmium	7440-43-9	4.9 J	2.4	12.5	ug/l	1
07051	Chromium	7440-47-3	1,630.	12.0	37.5	ug/l	1
07053	Copper	7440-50-8	2,040.	4.5	25.0	ug/l	1
07055	Lead	7439-92-1	3,820.	21.0	50.0	ug/l	1
07061	Nickel	7440-02-0	909.	14.5	25.0	ug/l	1
07066	Silver	7440-22-4	18.5	5.0	12.5	ug/l	1
07072	Zinc	7440-66-6	14,300.	13.3	50.0	ug/l	1
02393	Phenols	n.a.	N.D.	18.	60.	ug/l	1

After receipt the pH of this container was adjusted to &lt;2.

Due to interferences from the sample matrix, the reporting limit for the phenol determination was increased.

08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
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After receipt the pH of this container was adjusted to &gt;12.

Matrix QC was performed on this sample for the cyanide analysis. Please see the attached QC Summary report for the parameter showing a matrix bias.

01599 PPL Pesticides + Methoxychlor

01600	Alpha BHC	319-84-6	N.D.	0.20	1.0	ug/l	10
01601	Beta BHC	319-85-7	N.D.	1.2	4.0	ug/l	10
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.20	1.0	ug/l	10
01603	Delta BHC	319-86-8	N.D.	0.38	1.0	ug/l	10
01604	Heptachlor	76-44-8	N.D.	0.20	1.0	ug/l	10
01605	Aldrin	309-00-2	N.D.	0.50	2.0	ug/l	10
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.20	1.0	ug/l	10
01607	p,p-DDE	72-55-9	1.4 J	0.40	2.0	ug/l	10
01608	p,p-DDD	72-54-8	14.	0.60	2.0	ug/l	10
01609	p,p-DDT	50-29-3	120.	3.0	10.	ug/l	50
01610	Dieldrin	60-57-1	N.D.	1.0	3.0	ug/l	10
01611	Endrin	72-20-8	N.D.	0.40	2.0	ug/l	10
01612	Chlordane	57-74-9	N.D.	7.0	50.	ug/l	10
01613	Toxaphene	8001-35-2	N.D.	30.	100.	ug/l	10
01615	Endosulfan II	33213-65-9	N.D.	0.40	2.0	ug/l	10
01616	Endosulfan I	959-98-8	N.D.	0.20	1.0	ug/l	10

\* = This limit was used in the evaluation of the final result

AR103071

Lancaster Laboratories Sample No. WW 4589775

05-MET-056 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:53

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-056

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.60	2.0	ug/l	10
01618	Endrin Aldehyde	7421-93-4	N.D.	2.3	10.	ug/l	10
01619	PCB-1016	12674-11-2	N.D.	10.	50.	ug/l	10
01620	PCB-1221	11104-28-2	N.D.	11.	50.	ug/l	10
01621	PCB-1232	11141-16-5	N.D.	10.	50.	ug/l	10
01622	PCB-1242	53469-21-9	N.D.	10.	50.	ug/l	10
01623	PCB-1248	12672-29-6	N.D.	10.	50.	ug/l	10
01624	PCB-1254	11097-69-1	N.D.	14.	50.	ug/l	10
01626	PCB-1260	11096-82-5	N.D.	10.	50.	ug/l	10
01860	Methoxychlor	72-43-5	N.D.	3.0	10.	ug/l	10
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0095	0.028	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103072

**Lancaster Laboratories Sample No. WW 4589775**
**05-MET-056 Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/23/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:53

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W-056

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the

\*=This limit was used in the evaluation of the final result

AR103073

Lancaster Laboratories Sample No. WW 4589775

05-MET-056 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:53  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-056

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
normal reporting limits could not be obtained.							
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

\*=This limit was used in the evaluation of the final result

AR103074

Lancaster Laboratories Sample No. WW 4589775

05-MET-056 Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:53  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-056

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00890	VOA GC/MS Library Search						
	The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.						
00893	Semivolatile Library Search						
	The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.						

Commonwealth of Pennsylvania Lab Certification No. 36-037  
After receipt the pH of the metals container was adjusted to <2

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/25/2005 09:40	[REDACTED]	20
07022	Thallium	SW-846 6010B	2	08/29/2005 00:39	[REDACTED]	1
07035	Arsenic	SW-846 6010B	2	08/25/2005 22:22	[REDACTED]	1
07036	Selenium	SW-846 6010B	2	08/25/2005 22:22	[REDACTED]	1
07044	Antimony	SW-846 6010B	2	08/25/2005 22:22	[REDACTED]	1
07047	Beryllium	SW-846 6010B	2	08/25/2005 22:22	[REDACTED]	1
07049	Cadmium	SW-846 6010B	2	08/25/2005 22:22	[REDACTED]	1
07051	Chromium	SW-846 6010B	2	08/25/2005 22:22	[REDACTED]	1
07053	Copper	SW-846 6010B	2	08/25/2005 22:22	[REDACTED]	1
07055	Lead	SW-846 6010B	2	08/25/2005 22:22	[REDACTED]	1
07061	Nickel	SW-846 6010B	2	08/25/2005 22:22	[REDACTED]	1
07066	Silver	SW-846 6010B	2	08/25/2005 22:22	[REDACTED]	1
07072	Zinc	SW-846 6010B	2	08/25/2005 22:22	[REDACTED]	1
02393	Phenols	SW846 9066	1	08/29/2005 12:34	[REDACTED]	1
08255	Total Cyanide	SW-846 9012A	1	08/26/2005 12:51	[REDACTED]	1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 15:20	[REDACTED]	10
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 15:41	[REDACTED]	50
07879	EDB	SW-846 8011	1	08/30/2005 05:04	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/27/2005 01:52	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR103075

**Lancaster Laboratories Sample No. WW 4589775**

**05-MET-056 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:53

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

W-056

07582	PPL Volatiles	SW-846 8260B	1	08/25/2005 13:18	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/25/2005 04:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/24/2005 22:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/25/2005 13:18	<span style="background-color: black; color: black;">[REDACTED]</span>	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07786	EDB Extraction	SW-846 8011	1	08/25/2005 12:30	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/25/2005 15:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! W-056 !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4589775	
Level: (low/med) LOW	Lab File ID: HP09137.i/05aug25a.b/wg25s10.d	
% Moisture: not dec.	Date Received: 08/23/05	
Column: (pack/cap) CAP	Date Analyzed: 08/25/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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27.				
28.				
29.				
30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR103077



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4589775  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0959.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture:              Decanted: (Y/N)              Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/27/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 1 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.041	50	J
2.				
3.				
4.				
5.				
6.				
7.				
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26.				
27.				
28.				
29.				
30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR103078



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Lancaster Laboratories Sample No. WW 4589776

05-MET-056 Filtered Grab Water Sample

Former Metro Container Investigation

Collected: 08/23/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:54  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	30.7	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	40.4	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
00259	Mercury	SW-846 7470A	1	08/25/2005 09:41	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/29/2005 00:44	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 22:27	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/25/2005 22:27	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/25/2005 22:27	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 22:27	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/25/2005 22:27	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/25/2005 22:27	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/25/2005 22:27	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/25/2005 22:27	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/25/2005 22:27	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/25/2005 22:27	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/25/2005 22:27	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/24/2005 20:00	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

AR103079

Lancaster Laboratories Sample No. WW 4589777

05-MET-128 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:54  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W128-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	9.7 J	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	7.3 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	2.2 J	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	97.9	5.3	20.0	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103080

Lancaster Laboratories Sample No. WW 4589777

05-MET-128 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:54  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W128-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	11. J	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	17. J	10.	50.	ug/l	1
03967	Pyrene	129-00-0	15. J	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	11. J	10.	50.	ug/l	1
03971	Chrysene	218-01-9	10. J	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	13. J	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	10. J	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the normal reporting limits could not be obtained.

\*=This limit was used in the evaluation of the final result

AR103081

Lancaster Laboratories Sample No. WW 4589777

05-MET-128 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:54  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W128-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/26/2005 08:51	[REDACTED]	1
07022	Thallium	SW-846 6010B	1	08/29/2005 00:48	[REDACTED]	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 22:33	[REDACTED]	1
07036	Selenium	SW-846 6010B	1	08/25/2005 22:33	[REDACTED]	1
07044	Antimony	SW-846 6010B	1	08/25/2005 22:33	[REDACTED]	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 22:33	[REDACTED]	1
07049	Cadmium	SW-846 6010B	1	08/25/2005 22:33	[REDACTED]	1
07051	Chromium	SW-846 6010B	1	08/25/2005 22:33	[REDACTED]	1
07053	Copper	SW-846 6010B	1	08/25/2005 22:33	[REDACTED]	1
07055	Lead	SW-846 6010B	1	08/25/2005 22:33	[REDACTED]	1
07061	Nickel	SW-846 6010B	1	08/25/2005 22:33	[REDACTED]	1
07066	Silver	SW-846 6010B	1	08/25/2005 22:33	[REDACTED]	1
07072	Zinc	SW-846 6010B	1	08/25/2005 22:33	[REDACTED]	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/27/2005 02:14	[REDACTED]	1
00813	BNA Water Extraction	SW-846 3510C	1	08/25/2005 04:00	[REDACTED]	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	[REDACTED]	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/25/2005 20:15	[REDACTED]	1

\*=This limit was used in the evaluation of the final result

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:                      SAS No.:                      SDG No.:                       
 Matrix: (soil/water) WATER Lab Sample ID: 4589777  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0960.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture:                      Decanted: (Y/N) Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/27/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:                      Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 2 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Alkene	2.887	52	J
2.123-42-2	2-Pentanone, 4-hydroxy-4-met	3.034	91	J
3.				
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30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR103083

**Lancaster Laboratories Sample No. WW 4589778**
**05-MET-128 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:54  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	8.1 J	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	89.4	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037  
This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/26/2005 08:53	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07022	Thallium	SW-846 6010B	1	08/29/2005 00:53	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 22:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/25/2005 22:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/25/2005 22:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 22:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/25/2005 22:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/25/2005 22:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/25/2005 22:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/25/2005 22:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/25/2005 22:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/25/2005 22:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/25/2005 22:48	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/25/2005 20:15	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR103084

**Lancaster Laboratories Sample No. WW 4589779**

**05-MET-074 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:54  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W--74

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury The quantitation limit for mercury was increased due to the nature of the sample matrix.	7439-97-6	N.D.	0.62	2.0	ug/l	10
07022	Thallium	7440-28-0	21.8	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	9.9 J	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	0.82 J	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	68.0	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	40.3	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	122.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	55.6	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	544.	5.3	20.0	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	10.	50.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	10.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	10.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	10.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	10.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	30.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	10.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	10.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	10.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	200.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	100.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	50.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	30.	150.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	20.	50.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	10.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	10.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	10.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	10.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	10.	50.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103085



Lancaster Laboratories Sample No. WW 4589779

05-MET-074 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:54

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

W--74

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03944	Isophorone	78-59-1	N.D.	10.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	10.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	10.	50.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	10.	50.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	10.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	50.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	10.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	10.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	20.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	10.	50.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	10.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	10.	50.	ug/l	1
03956	Fluorene	86-73-7	N.D.	10.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	10.	50.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	20.	50.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	10.	50.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	20.	50.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	10.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	10.	50.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	10.	50.	ug/l	1
03964	Anthracene	120-12-7	N.D.	10.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	20.	50.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	10.	50.	ug/l	1
03967	Pyrene	129-00-0	N.D.	10.	50.	ug/l	1
03968	Benzidine	92-87-5	N.D.	200.	600.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	20.	50.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	10.	50.	ug/l	1
03971	Chrysene	218-01-9	N.D.	10.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	20.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	20.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	20.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	10.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	10.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	10.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	10.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	10.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	10.	50.	ug/l	1

Due to sample matrix interferences observed during the extraction, the

\*=This limit was used in the evaluation of the final result

AR103086

Lancaster Laboratories Sample No. WW 4589779

05-MET-074 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:54  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W--74

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
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normal reporting limits could not be obtained.

00893 Semivolatiles Library Search

The results from the semivolatiles library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	08/26/2005 09:00	<span style="background-color: black; color: black;">[REDACTED]</span>	10
07022	Thallium	SW-846 6010B	1	08/29/2005 00:58	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 22:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/25/2005 22:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/25/2005 22:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 22:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/29/2005 00:58	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/25/2005 22:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/25/2005 22:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/25/2005 22:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/25/2005 22:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/25/2005 22:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/25/2005 22:54	<span style="background-color: black; color: black;">[REDACTED]</span>	1
04678	PPL Semivolatiles	SW-846 8270C	1	08/27/2005 02:36	<span style="background-color: black; color: black;">[REDACTED]</span>	1
00813	BNA Water Extraction	SW-846 3510C	1	08/25/2005 04:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/25/2005 20:15	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR103087

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract:                       
 Lab Code: LANCAS Case No.:              SAS No.:              SDG No.:               
 Matrix: (soil/water) WATER Lab Sample ID: 4589779  
 Sample wt/vol: 100 (g/mL) mL Lab File ID: oh0961.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture:              Decanted: (Y/N)              Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/27/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH:              Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR103088

**Lancaster Laboratories Sample No. WW 4589780**
**05-MET-074 Filtered Grab Water Sample**
**Former Metro Container Investigation**

Collected: 08/22/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.31	1.0	ug/l	5
	The quantitation limit for mercury was increased due to the nature of the sample matrix.						
07022	Thallium	7440-28-0	19.7 J	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	2.6 J	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	27.4	5.3	20.0	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

This sample was field filtered for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/26/2005 09:02	<span style="background-color: black; color: black;">[REDACTED]</span>	5
07022	Thallium	SW-846 6010B	1	08/29/2005 01:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07035	Arsenic	SW-846 6010B	1	08/25/2005 22:59	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07036	Selenium	SW-846 6010B	1	08/25/2005 22:59	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07044	Antimony	SW-846 6010B	1	08/25/2005 22:59	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07047	Beryllium	SW-846 6010B	1	08/25/2005 22:59	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07049	Cadmium	SW-846 6010B	1	08/29/2005 01:07	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07051	Chromium	SW-846 6010B	1	08/25/2005 22:59	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07053	Copper	SW-846 6010B	1	08/25/2005 22:59	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07055	Lead	SW-846 6010B	1	08/25/2005 22:59	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07061	Nickel	SW-846 6010B	1	08/25/2005 22:59	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07066	Silver	SW-846 6010B	1	08/25/2005 22:59	<span style="background-color: black; color: black;">[REDACTED]</span>	1
07072	Zinc	SW-846 6010B	1	08/25/2005 22:59	<span style="background-color: black; color: black;">[REDACTED]</span>	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45	<span style="background-color: black; color: black;">[REDACTED]</span>	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/25/2005 20:15	<span style="background-color: black; color: black;">[REDACTED]</span>	1

\*=This limit was used in the evaluation of the final result

AR103089



# ***Analysis Report***

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

**Lancaster Laboratories Sample No. WW 4589780**

**05-MET-074 Filtered Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 by ■

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4589781

05-MET-040 Grab Water Sample

Former Metro Container Investigation

Collected: 08/22/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:54  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-040

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
After receipt the pH of this container was adjusted to >12.							
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0096	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.038	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0096	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0096	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0096	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0048	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0096	ug/l	1
01607	p,p-DDE	72-55-9	0.022	0.0038	0.019	ug/l	1
01608	p,p-DDD	72-54-8	0.0059 J	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	0.013 J	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0096	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0038	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.067	0.48	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.96	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0038	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0096	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.096	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.096	0.48	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.48	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.096	0.48	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.096	0.48	ug/l	1
01623	PCB-1248	12672-29-6	N.D.	0.096	0.48	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.13	0.48	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.096	0.48	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.096	ug/l	1

Commonwealth of Pennsylvania Lab Certification No. 36-037

Laboratory Chronicle

\*=This limit was used in the evaluation of the final result

AR103091

**Lancaster Laboratories Sample No. WW 4589781**

**05-MET-040 Grab Water Sample**

**Former Metro Container Investigation**

Collected: 08/22/2005 by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:54  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

W-040

CAT		Analysis				Dilution	
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
02393	Phenols	SW846 9066	1	08/29/2005 12:35	<span style="background-color: black; color: black;">[REDACTED]</span>	1	
08255	Total Cyanide	SW-846 9012A	1	08/26/2005 12:55	<span style="background-color: black; color: black;">[REDACTED]</span>	1	
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 16:02	<span style="background-color: black; color: black;">[REDACTED]</span>	1	
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/24/2005 22:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1	
08123	Phenol Distillation (SW- 846)	SW-846 9065	1	08/26/2005 15:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1	
08256	Cyanide Water Distillation	SW-846 9012A	1	08/25/2005 15:00	<span style="background-color: black; color: black;">[REDACTED]</span>	1	

**Lancaster Laboratories Sample No. WW 4589782**

**EB082305W Equipment Blank Water Sample**

**EB**

**Former Metro Container Investigation**

Collected: 08/23/2005 11:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:54

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WEB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.062	0.20	ug/l	1
07022	Thallium	7440-28-0	N.D.	10.0	20.0	ug/l	1
07035	Arsenic	7440-38-2	N.D.	9.3	20.0	ug/l	1
07036	Selenium	7782-49-2	N.D.	9.4	20.0	ug/l	1
07044	Antimony	7440-36-0	N.D.	6.4	20.0	ug/l	1
07047	Beryllium	7440-41-7	N.D.	0.44	5.0	ug/l	1
07049	Cadmium	7440-43-9	N.D.	0.97	5.0	ug/l	1
07051	Chromium	7440-47-3	N.D.	4.8	15.0	ug/l	1
07053	Copper	7440-50-8	N.D.	1.8	10.0	ug/l	1
07055	Lead	7439-92-1	N.D.	8.4	20.0	ug/l	1
07061	Nickel	7440-02-0	N.D.	5.8	10.0	ug/l	1
07066	Silver	7440-22-4	N.D.	2.0	5.0	ug/l	1
07072	Zinc	7440-66-6	N.D.	5.3	20.0	ug/l	1
02393	Phenols	n.a.	N.D.	9.0	30.	ug/l	1
08255	Total Cyanide	57-12-5	N.D.	5.0	10.	ug/l	1
01599	PPL Pesticides + Methoxychlor						
01600	Alpha BHC	319-84-6	N.D.	0.0019	0.0097	ug/l	1
01601	Beta BHC	319-85-7	N.D.	0.012	0.039	ug/l	1
01602	Gamma BHC - Lindane	58-89-9	N.D.	0.0019	0.0097	ug/l	1
01603	Delta BHC	319-86-8	N.D.	0.0037	0.0097	ug/l	1
01604	Heptachlor	76-44-8	N.D.	0.0019	0.0097	ug/l	1
01605	Aldrin	309-00-2	N.D.	0.0049	0.019	ug/l	1
01606	Heptachlor Epoxide	1024-57-3	N.D.	0.0019	0.0097	ug/l	1
01607	p,p-DDE	72-55-9	N.D.	0.0039	0.019	ug/l	1
01608	p,p-DDD	72-54-8	N.D.	0.0058	0.019	ug/l	1
01609	p,p-DDT	50-29-3	N.D.	0.0058	0.019	ug/l	1
01610	Dieldrin	60-57-1	N.D.	0.0097	0.029	ug/l	1
01611	Endrin	72-20-8	N.D.	0.0039	0.019	ug/l	1
01612	Chlordane	57-74-9	N.D.	0.068	0.49	ug/l	1
01613	Toxaphene	8001-35-2	N.D.	0.29	0.97	ug/l	1
01615	Endosulfan II	33213-65-9	N.D.	0.0039	0.019	ug/l	1
01616	Endosulfan I	959-98-8	N.D.	0.0019	0.0097	ug/l	1
01617	Endosulfan Sulfate	1031-07-8	N.D.	0.0058	0.019	ug/l	1
01618	Endrin Aldehyde	7421-93-4	N.D.	0.022	0.097	ug/l	1
01619	PCB-1016	12674-11-2	N.D.	0.097	0.49	ug/l	1
01620	PCB-1221	11104-28-2	N.D.	0.11	0.49	ug/l	1
01621	PCB-1232	11141-16-5	N.D.	0.097	0.49	ug/l	1
01622	PCB-1242	53469-21-9	N.D.	0.097	0.49	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103093



**Lancaster Laboratories Sample No. WW 4589782**
**EB082305W Equipment Blank Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/23/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:54

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WEB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
01623	PCB-1248	12672-29-6	N.D.	0.097	0.49	ug/l	1
01624	PCB-1254	11097-69-1	N.D.	0.14	0.49	ug/l	1
01626	PCB-1260	11096-82-5	N.D.	0.097	0.49	ug/l	1
01860	Methoxychlor	72-43-5	N.D.	0.029	0.097	ug/l	1
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0097	0.029	ug/l	1
04678	PPL Semivolatiles						
02591	1,4-Dioxane	123-91-1	N.D.	1.	5.	ug/l	1
02752	1-Methylnaphthalene	90-12-0	N.D.	1.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	57.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	29.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	14.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	14.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	14.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	1.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103094

**Lancaster Laboratories Sample No. WW 4589782**
**EB082305W Equipment Blank Water Sample**
**EB**
**Former Metro Container Investigation**

Collected: 08/23/2005 11:00

by [REDACTED]

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:54

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WEB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
03952	Dimethylphthalate	131-11-3	N.D.	2.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	1.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.							
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	1.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	5.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	57.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	5.	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103095

Lancaster Laboratories Sample No. WW 4589782

EB082305W Equipment Blank Water Sample

EB

Former Metro Container Investigation

Collected: 08/23/2005 11:00

by XXXXXXXXXX

Account Number: 11549

Submitted: 08/23/2005 17:50

Reported: 09/02/2005 at 10:54

Discard: 10/03/2005

Montgomery Watson Harza

P.O. Box 7009

Pasadena CA 91109-7009

WEB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

#### 00890 VOA GC/MS Library Search

The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

#### 00893 Semivolatile Library Search

The results from the semivolatile library search are listed on the attached FORM 1 - SV-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form. An "X" indicates an isomer of the listed compound.

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 4589782

EB082305W Equipment Blank Water Sample

EB

Former Metro Container Investigation

Collected: 08/23/2005 11:00

by

Account Number: 11549

Submitted: 08/23/2005 17:50

Montgomery Watson Harza

Reported: 09/02/2005 at 10:54

P.O. Box 7009

Discard: 10/03/2005

Pasadena CA 91109-7009

WEB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
Commonwealth of Pennsylvania Lab Certification No. 36-037							

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	08/26/2005 09:03		1
07022	Thallium	SW-846 6010B	1	08/29/2005 01:17		1
07035	Arsenic	SW-846 6010B	1	08/25/2005 23:04		1
07036	Selenium	SW-846 6010B	1	08/25/2005 23:04		1
07044	Antimony	SW-846 6010B	1	08/25/2005 23:04		1
07047	Beryllium	SW-846 6010B	1	08/25/2005 23:04		1
07049	Cadmium	SW-846 6010B	1	08/25/2005 23:04		1
07051	Chromium	SW-846 6010B	1	08/25/2005 23:04		1
07053	Copper	SW-846 6010B	1	08/25/2005 23:04		1
07055	Lead	SW-846 6010B	1	08/25/2005 23:04		1
07061	Nickel	SW-846 6010B	1	08/25/2005 23:04		1
07066	Silver	SW-846 6010B	1	08/25/2005 23:04		1
07072	Zinc	SW-846 6010B	1	08/25/2005 23:04		1
02393	Phenols	SW846 9066	1	08/29/2005 12:36		1
08255	Total Cyanide	SW-846 9012A	1	08/26/2005 12:56		1
01599	PPL Pesticides + Methoxychlor	SW-846 8081A/8082	1	08/26/2005 16:22		1
07879	EDB	SW-846 8011	1	08/30/2005 05:34		1
04678	PPL Semivolatiles	SW-846 8270C	1	08/27/2005 02:57		1
07582	PPL Volatiles	SW-846 8260B	1	08/25/2005 13:42		1
00813	BNA Water Extraction	SW-846 3510C	1	08/25/2005 04:00		1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/24/2005 22:00		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/25/2005 13:42		n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	08/25/2005 05:45		1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/25/2005 20:15		1
07786	EDB Extraction	SW-846 8011	1	08/25/2005 12:30		1
08123	Phenol Distillation (SW-846)	SW-846 9065	1	08/26/2005 15:00		1
08256	Cyanide Water Distillation	SW-846 9012A	1	08/25/2005 15:00		1

\*=This limit was used in the evaluation of the final result

AR103097

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	! _____ !
Lab Code: LANCAS	Case No.: _____	! WEB23 !
Matrix: (soil/water) WATER	SAS No.: _____	! _____ !
Sample wt/vol: 5.0 (g/mL)mL	Lab Sample ID: 4589782	SDG No.: _____
Level: (low/med) LOW	Lab File ID: HP09137.i/05aug25a.b/wg25s11.d	
% Moisture: not dec.	Date Received: 08/23/05	
Column: (pack/cap) CAP	Date Analyzed: 08/25/05	
	Dilution Factor: 1.0	
	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) ug/L	

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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30.				

page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR103098

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories Contract: \_\_\_\_\_  
 Lab Code: LANCAS Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4589782  
 Sample wt/vol: 1049 (g/mL) mL Lab File ID: oh0962.d  
 Level: (low/med) LOW Date Received: 08/23/05  
 % Moisture: \_\_\_\_\_ Decanted: (Y/N) Date Extracted: 08/25/05  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/27/05  
 Injection Volume: 1 (uL) Dilution Factor: 1  
 GPC Cleanup: N pH: \_\_\_\_\_ Extraction: Sepf  
 CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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30.				

page 1 of 1

FORM I SV-1

\*—This limit was used in the evaluation of the final result

AR103099

**Lancaster Laboratories Sample No. WW 4589783**

**TB082305W Trip Blank Water Sample  
TB  
Former Metro Container Investigation**

Collected: 08/23/2005

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:55  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WTB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07879	EDB						
01087	Ethylene dibromide	106-93-4	N.D.	0.0096	0.029	ug/l	1
07582	PPL Volatiles						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	4.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	40.	100.	ug/l	1

\*=This limit was used in the evaluation of the final result

AR103100

**Lancaster Laboratories Sample No. WW 4589783**
**TB082305W Trip Blank Water Sample  
TB  
Former Metro Container Investigation**

Collected: 08/23/2005

Account Number: 11549

Submitted: 08/23/2005 17:50  
Reported: 09/02/2005 at 10:55  
Discard: 10/03/2005

Montgomery Watson Harza  
P.O. Box 7009  
Pasadena CA 91109-7009

WTB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	10.	ug/l	1
2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.							

00890 VOA GC/MS Library Search  
The results from the volatile library search are listed on the attached FORM 1 - VOA-TIC. The qualifiers appearing in the "Q" column are defined on the back of this form.

Commonwealth of Pennsylvania Lab Certification No. 36-037

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07879	EDB	SW-846 8011	1	08/30/2005 06:03		1
07582	PPL Volatiles	SW-846 8260B	1	08/25/2005 14:05		1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/25/2005 14:05		n.a.
07786	EDB Extraction	SW-846 8011	1	08/25/2005 12:30		1

\* = This limit was used in the evaluation of the final result



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: Lancaster Laboratories	Contract: _____	_____
Lab Code: LANCAS	Case No.: _____	SAS No.: _____
Matrix: (soil/water) WATER	Lab Sample ID: 4589783	_____
Sample wt/vol: 5.0 (g/mL)mL	Lab File ID: HP09137.i/05aug25a.b/wg25s12.d	_____
Level: (low/med) LOW	Date Received: 08/23/05	_____
% Moisture: not dec.	Date Analyzed: 08/25/05	_____
Column: (pack/cap) CAP	Dilution Factor: 1.0	_____
	CONCENTRATION UNITS:	_____
	(ug/L or ug/Kg) ug/L	_____

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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page 1 of 1

FORM I VOA-TIC

\*—This limit was used in the evaluation of the final result

AR103102

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 10:55 AM

Group Number: 956537

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

## Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 052360003A	Sample number(s): 4589766,4589768,4589770,4589774-4589775,4589781-4589782								
Alpha BHC	N.D.	0.0020	0.010	ug/l	100	100	56-122	0	20
Beta BHC	N.D.	0.012	0.040	ug/l	100	110	64-143	10	20
Gamma BHC - Lindane	N.D.	0.0020	0.010	ug/l	100	100	65-144	0	20
Delta BHC	N.D.	0.0038	0.010	ug/l	100	99	41-155	1	20
Heptachlor	N.D.	0.0020	0.010	ug/l	97	97	45-130	0	20
Aldrin	N.D.	0.0052	0.020	ug/l	81	80	47-122	1	20
Heptachlor Epoxide	N.D.	0.0020	0.010	ug/l	100	100	73-141	0	20
p,p-DDE	N.D.	0.0040	0.020	ug/l	86	90	44-154	5	20
p,p-DDD	N.D.	0.0061	0.020	ug/l	95	95	42-155	0	20
p,p-DDT	N.D.	0.0040	0.020	ug/l	90	95	47-159	5	20
Dieldrin	N.D.	0.010	0.030	ug/l	100	100	71-129	0	20
Endrin	N.D.	0.0040	0.020	ug/l	95	95	62-135	0	20
Chlordane	N.D.	0.070	0.50	ug/l					
Toxaphene	N.D.	0.30	1.0	ug/l					
Endosulfan II	N.D.	0.0040	0.020	ug/l	100	100	61-141	0	20
Endosulfan I	N.D.	0.0020	0.010	ug/l	100	100	66-131	0	20
Endosulfan Sulfate	N.D.	0.0062	0.020	ug/l	100	100	56-140	0	20
Endrin Aldehyde	N.D.	0.023	0.10	ug/l	100	100	36-158	0	20
PCB-1016	N.D.	0.10	0.50	ug/l					
PCB-1221	N.D.	0.11	0.50	ug/l					
PCB-1232	N.D.	0.10	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.14	0.50	ug/l					
PCB-1260	N.D.	0.10	0.50	ug/l					
Methoxychlor	N.D.	0.030	0.10	ug/l	93	95	49-155	2	20
Batch number: 052360011A	Sample number(s): 4589764,4589766,4589768,4589770,4589772,4589774-4589775,4589782-4589783								
Ethylene dibromide	N.D.	0.010	0.030	ug/l	96	96	60-140	0	20
Batch number: 05236117101B	Sample number(s): 4589764,4589766,4589768,4589770								
Total Cyanide	0.0059 J	0.0050	0.010	mg/l	100		90-110		
Batch number: 052365713004	Sample number(s): 4589764-4589771,4589774-4589776								
Mercury	N.D.	0.00006	0.00020	mg/l	104		80-120		
		2							
Batch number: 05236WAD026	Sample number(s): 4589764,4589766,4589768,4589770,4589772,4589774-4589775,4589777,4589779,4589782								
1,4-Dioxane	N.D.	1.	5.	ug/l	58	60	43-73	2	30
1-Methylnaphthalene	N.D.	1.	5.	ug/l	99	96	65-107	3	30
2-Chlorophenol	N.D.	1.	5.	ug/l	91	91	63-112	0	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 10:55 AM

Group Number: 956537

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Phenol	N.D.	1.	5.	ug/l	45	44	29-57	1	30
2-Nitrophenol	N.D.	1.	5.	ug/l	107	104	83-119	3	30
2,4-Dimethylphenol	N.D.	3.	10.	ug/l	92	88	60-107	4	30
2,4-Dichlorophenol	N.D.	1.	5.	ug/l	94	90	66-110	4	30
4-Chloro-3-methylphenol	N.D.	1.	5.	ug/l	94	92	48-114	2	30
2,4,6-Trichlorophenol	N.D.	1.	5.	ug/l	95	92	69-111	3	30
2,4-Dinitrophenol	N.D.	20.	60.	ug/l	86	82	44-130	4	30
4-Nitrophenol	N.D.	10.	30.	ug/l	43	44	16-75	3	30
4,6-Dinitro-2-methylphenol	N.D.	5.	15.	ug/l	90	93	56-130	3	30
Pentachlorophenol	N.D.	3.	15.	ug/l	80	77	48-108	4	30
N-Nitrosodimethylamine	N.D.	2.	5.	ug/l	62	63	39-84	3	30
bis(2-Chloroethyl)ether	N.D.	1.	5.	ug/l	89	89	57-110	0	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	89	89	52-102	1	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	92	91	54-103	1	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	87	86	58-99	1	30
bis(2-Chloroisopropyl)ether	N.D.	1.	5.	ug/l	118	115	68-133	3	30
Hexachloroethane	N.D.	1.	5.	ug/l	92	90	33-106	2	30
N-Nitroso-di-n-propylamine	N.D.	1.	5.	ug/l	93	92	56-109	1	30
Nitrobenzene	N.D.	1.	5.	ug/l	95	91	61-111	4	30
Isophorone	N.D.	1.	5.	ug/l	89	85	63-105	4	30
bis(2-Chloroethoxy)methane	N.D.	1.	5.	ug/l	102	99	69-119	3	30
1,2,4-Trichlorobenzene	N.D.	1.	5.	ug/l	93	89	62-101	5	30
Naphthalene	N.D.	1.	5.	ug/l	95	91	70-102	4	30
Hexachlorobutadiene	N.D.	1.	5.	ug/l	94	91	33-118	3	30
Hexachlorocyclopentadiene	N.D.	5.	15.	ug/l	100	92	14-169	9	30
2-Chloronaphthalene	N.D.	1.	5.	ug/l	80	77	56-100	5	30
Acenaphthylene	N.D.	1.	5.	ug/l	110	107	65-120	2	30
Dimethylphthalate	N.D.	2.	5.	ug/l	91	89	46-109	3	30
2,6-Dinitrotoluene	N.D.	1.	5.	ug/l	95	92	70-108	3	30
Acenaphthene	N.D.	1.	5.	ug/l	96	93	68-111	3	30
2,4-Dinitrotoluene	N.D.	1.	5.	ug/l	97	97	75-122	0	30
Fluorene	N.D.	1.	5.	ug/l	90	89	61-116	2	30
4-Chlorophenyl-phenylether	N.D.	1.	5.	ug/l	92	89	65-110	3	30
Diethylphthalate	N.D.	2.	5.	ug/l	98	95	61-110	3	30
1,2-Diphenylhydrazine	N.D.	1.	5.	ug/l	97	95	62-106	2	30
N-Nitrosodiphenylamine	N.D.	2.	5.	ug/l	95	93	63-104	3	30
4-Bromophenyl-phenylether	N.D.	1.	5.	ug/l	99	98	67-110	1	30
Hexachlorobenzene	N.D.	1.	5.	ug/l	94	93	68-113	2	30
Phenanthrene	N.D.	1.	5.	ug/l	95	96	68-111	1	30
Anthracene	N.D.	1.	5.	ug/l	94	95	68-108	1	30
Di-n-butylphthalate	N.D.	2.	5.	ug/l	102	103	63-113	1	30
Fluoranthene	N.D.	1.	5.	ug/l	90	92	66-108	2	30
Pyrene	N.D.	1.	5.	ug/l	102	99	68-114	3	30
Benzidine	N.D.	20.	60.	ug/l	102	106	20-134	4	30
Butylbenzylphthalate	N.D.	2.	5.	ug/l	108	104	63-120	4	30
Benzo(a)anthracene	N.D.	1.	5.	ug/l	93	93	72-112	0	30
Chrysene	N.D.	1.	5.	ug/l	96	95	70-111	1	30
3,3'-Dichlorobenzidine	N.D.	2.	5.	ug/l	94	78	39-116	19	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	5.	ug/l	108	104	62-126	4	30
Di-n-octylphthalate	N.D.	2.	5.	ug/l	115	113	58-118	2	30
Benzo(b)fluoranthene	N.D.	1.	5.	ug/l	100	103	67-117	4	30
Benzo(k)fluoranthene	N.D.	1.	5.	ug/l	99	95	67-120	3	30
Benzo(a)pyrene	N.D.	1.	5.	ug/l	102	104	68-121	2	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	5.	ug/l	98	99	67-122	1	30
Dibenz(a,h)anthracene	N.D.	1.	5.	ug/l	104	106	71-129	2	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 10:55 AM

Group Number: 956537

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Benzo(g,h,i)perylene	N.D.	1.	5.	ug/l	100	100	67-121	0	30
Batch number: 05237117101A	Sample number(s): 4589774-4589775,4589781-4589782								
Total Cyanide	N.D.	0.0050	0.010	mg/l	98		90-110		
Batch number: 052371848003	Sample number(s): 4589764-4589771,4589774-4589780,4589782								
Thallium	N.D.	0.0100	0.0200	mg/l	102		92-107		
Arsenic	N.D.	0.0093	0.0200	mg/l	108		85-115		
Selenium	N.D.	0.0094	0.0200	mg/l	104		85-115		
Antimony	N.D.	0.0064	0.0200	mg/l	108		94-112		
Beryllium	N.D.	0.00044	0.0050	mg/l	105		96-111		
Cadmium	N.D.	0.00097	0.0050	mg/l	104		97-111		
Chromium	N.D.	0.0048	0.0150	mg/l	103		90-112		
Copper	N.D.	0.0018	0.0100	mg/l	105		92-110		
Lead	N.D.	0.0084	0.0200	mg/l	104		93-110		
Nickel	N.D.	0.0058	0.0100	mg/l	101		93-110		
Silver	N.D.	0.0020	0.0050	mg/l	112		96-114		
Zinc	N.D.	0.0053	0.0200	mg/l	101		90-112		
Batch number: 052375713006	Sample number(s): 4589777-4589780,4589782								
Mercury	N.D.	0.00006	0.00020	mg/l	109		80-120		
		2							
Batch number: 05238120102A	Sample number(s): 4589764,4589766,4589768,4589770,4589774-4589775,4589781-4589782								
Phenols	N.D.	0.0090	0.030	mg/l	94	98	83-108	5	20
Batch number: W052361AB	Sample number(s): 4589764,4589766,4589768,4589770,4589772,4589774-4589775,4589782-4589783								
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	94	95	77-127	1	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	113	120	57-141	6	30
Chloromethane	N.D.	1.	5.	ug/l	100	101	59-177	1	30
Vinyl Chloride	N.D.	1.	5.	ug/l	92	94	71-134	2	30
Bromomethane	N.D.	1.	5.	ug/l	89	87	62-131	2	30
Chloroethane	N.D.	1.	5.	ug/l	93	96	67-127	3	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	96	100	70-148	5	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	90	89	79-130	0	30
Methylene Chloride	N.D.	2.	5.	ug/l	90	89	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	89	90	81-124	1	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	96	96	83-127	0	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	91	92	84-117	1	30
Chloroform	N.D.	0.8	5.	ug/l	94	95	86-124	1	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	93	94	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	96	95	77-130	0	30
Benzene	N.D.	0.5	5.	ug/l	94	95	85-117	1	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	100	101	77-132	1	30
Trichloroethene	N.D.	1.	5.	ug/l	89	91	87-117	3	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	101	105	80-117	4	30
Bromodichloromethane	N.D.	1.	5.	ug/l	96	98	83-121	3	30
Toluene	N.D.	0.7	5.	ug/l	99	101	85-115	2	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	102	106	86-113	5	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	95	94	74-125	0	30
Dibromochloromethane	N.D.	1.	5.	ug/l	106	109	78-119	3	30
Chlorobenzene	N.D.	0.8	5.	ug/l	97	101	85-115	5	30
Ethylbenzene	N.D.	0.8	5.	ug/l	99	102	82-119	3	30

\*- Outside of specification

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- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 10:55 AM

Group Number: 956537

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromoform	N.D.	1.	5.	ug/l	100	104	69-118	4	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	108	113	72-119	4	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	100	105	79-114	5	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	97	100	78-114	3	30
Xylene (Total)	N.D.	0.8	5.	ug/l	98	101	83-113	3	30
Acrylonitrile	N.D.	4.	20.	ug/l	107	112	55-137	5	30
Acrolein	N.D.	40.	100.	ug/l	96	97	28-146	2	30
2-Chloroethyl Vinyl Ether	N.D.	2.	10.	ug/l	106	105	53-133	0	30

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 052360011A	Sample number(s): 4589764,4589766,4589768,4589770,4589772,4589774-4589775,4589782-4589783							
Ethylene dibromide	83		65-135		N.D.	N.D.	0 (1)	30
Batch number: 05236117101B	Sample number(s): 4589764,4589766,4589768,4589770							
Total Cyanide	102		82-114		N.D.	N.D.	14 (1)	20
Batch number: 052365713004	Sample number(s): 4589764-4589771,4589774-4589776							
Mercury	102	103	80-120	1	20	N.D.	13 (1)	20
Batch number: 05237117101A	Sample number(s): 4589774-4589775,4589781-4589782							
Total Cyanide	36*		82-114		N.D.	N.D.	0 (1)	20
Batch number: 052371848003	Sample number(s): 4589764-4589771,4589774-4589780,4589782							
Thallium	104	103	89-112	1	20	N.D.	172* (1)	20
Arsenic	106	106	86-119	0	20	N.D.	31* (1)	20
Selenium	103	102	75-125	1	20	N.D.	118* (1)	20
Antimony	108	108	75-125	0	20	N.D.	1000* (1)	20
Beryllium	105	106	91-117	1	20	N.D.	40* (1)	20
Cadmium	104	105	87-117	1	20	N.D.	76* (1)	20
Chromium	104	103	86-118	1	20	N.D.	72* (1)	20
Copper	106	105	89-119	0	20	N.D.	26* (1)	20
Lead	103	102	87-118	1	20	N.D.	10300* (1)	20
Nickel	102	102	91-111	0	20	N.D.	739* (1)	20
Silver	110	112	75-125	2	20	N.D.	1369* (1)	20
Zinc	103	102	80-120	0	20	N.D.	99* (1)	20
Batch number: 052375713006	Sample number(s): 4589777-4589780,4589782							
Mercury	113	112	80-120	1	20	N.D.	53* (1)	20
Batch number: W052361AB	Sample number(s): 4589764,4589766,4589768,4589770,4589772,4589774-4589775,4589782-4589783							
Methyl Tertiary Butyl Ether	94		69-134					
t-Butyl alcohol	108		51-147					
Chloromethane	71*		72-208					
Vinyl Chloride	66*		81-150					
Bromomethane	73		59-143					

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 10:55 AM

Group Number: 956537

### Sample Matrix Quality Control

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
								RPD
<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Chloroethane	72		63-142					
Trichlorofluoromethane	84		77-177					
1,1-Dichloroethene	81*		87-145					
Methylene Chloride	87		79-133					
trans-1,2-Dichloroethene	74*		82-133					
1,1-Dichloroethane	88		85-135					
cis-1,2-Dichloroethene	81*		83-126					
Chloroform	90		82-131					
1,1,1-Trichloroethane	86		81-142					
Carbon Tetrachloride	87		79-155					
Benzene	85		83-128					
1,2-Dichloroethane	94		73-136					
Trichloroethene	75*		83-136					
1,2-Dichloropropane	88		83-129					
Bromodichloromethane	90		80-129					
Toluene	82*		83-127					
1,1,2-Trichloroethane	93		77-125					
Tetrachloroethene	77*		78-133					
Dibromochloromethane	98		73-119					
Chlorobenzene	79*		83-120					
Ethylbenzene	79*		82-129					
Bromoform	92		64-119					
1,1,2,2-Tetrachloroethane	92		69-121					
trans-1,3-Dichloropropene	81		75-117					
cis-1,3-Dichloropropene	82		76-117					
Xylene (Total)	80*		82-130					
Acrylonitrile	99		54-132					
Acrolein	41		21-153					
2-Chloroethyl Vinyl Ether	0*		1-172					

### Surrogate Quality Control

Analysis Name: PPL Pesticides in Water  
Batch number: 052360003A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4589766	92	69
4589768	87	56
4589770	89	67
4589774	84	66
4589775	101	91
4589781	88	57
4589782	80	50
Blank	81	103
LCS	94	77
LCSD	93	100
Limits:	45-125	47-155

Analysis Name: EDB in Wastewater  
Batch number: 052360011A

\*- Outside of specification

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## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 10:55 AM

Group Number: 956537

### Surrogate Quality Control

1,1,2,2-  
Tetrachloroethane

4589764	69
4589766	84
4589768	92
4589770	87
4589772	91
4589774	89
4589775	87
4589782	87
4589783	88
Blank	107
DUP	84
LCS	107
LCSD	104
MS	94

Limits: 52-120

Analysis Name: TCL SW846 Semivolatiles/Waters  
Batch number: 05236WAD026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
4589764	66	41	91	96
4589766	66	42	91	95
4589768	60	40	87	94
4589770	71	44	94	96
4589772	68	45	93	94
4589774	69	46	93	95
4589775	67	41	91	96
4589777	70	45	94	96
4589779	70	44	99	97
4589782	68	42	95	95
Blank	68	43	89	95
LCS	67	44	94	97
LCSD	68	44	92	94

Limits: 10-99 10-80 31-148 51-123

	2-Fluorobiphenyl	Terphenyl-d14
4589764	96	91
4589766	93	97
4589768	95	83
4589770	98	94
4589772	93	89
4589774	98	101
4589775	96	95
4589777	97	94
4589779	97	98
4589782	95	101
Blank	94	106
LCS	99	111
LCSD	95	107

Limits: 64-112 52-151

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: Montgomery Watson Harza  
Reported: 09/02/05 at 10:55 AM

Group Number: 956537

### Surrogate Quality Control

Analysis Name: PPL + Xylene (total) by 8260

Batch number: W052361AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4589764	99	100	106	104
4589766	99	100	106	104
4589768	99	100	106	105
4589770	100	100	107	104
4589772	99	100	106	104
4589774	100	101	106	104
4589775	99	98	106	103
4589782	99	97	107	103
4589783	100	101	106	104
Blank	100	100	106	104
LCS	99	101	110	109
LCSD	99	100	110	109
MS	101	100	107	106
Limits:	81-120	82-112	85-112	83-113

\*- Outside of specification

\*\* This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.





# Analysis Request / Environmental Services Chain of Custody

For Lancaster Laboratories use only

Group No.: 956937

Sample Nos.: 4569764-83

Acc't No.: 11549

SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <u>Montgomery Watson Harza</u>		Acc't #: <u>11549</u>		Analyses Requested													Remarks:			
Project Manager: _____		Quote #: _____																		
Project Name/#: <u>Former Metro Container Investigation</u>																				
Sampler: _____																				
P.O. #: <u>291135-0101</u>																				
Name of state where samples were collected: <u>PA</u>																				
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	PPL VOAs, MTBE, TBA, EDB	VOA TICs - 15	PPL SVOAs + 1-MN	SVOA TICs - 25	PPL Metals	PPL Pest/PCBs	Phenol	Cyanide	Moisture		
<u>05-MET-052</u>		<u>8/23/05</u>	<u>0730</u>	<u>X</u>		<u>X</u>			<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N(4-4.5')</u>
<u>05-MET-055</u>		<u>"</u>	<u>0810</u>	<u>X</u>		<u>X</u>			<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N(5-5.5')</u>	
<u>05-MET-054</u>		<u>"</u>	<u>0830</u>	<u>X</u>		<u>X</u>			<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N(2-2.5')</u>	
<u>05-MET-053</u>		<u>"</u>	<u>0930</u>	<u>X</u>		<u>X</u>			<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N(5.5-6')</u>	
<u>05-MET-041</u>		<u>"</u>	<u>1020</u>	<u>X</u>		<u>X</u>			<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N(2-2.5')</u>	
<u>05-MET-046</u>		<u>"</u>	<u>1040</u>	<u>X</u>		<u>X</u>			<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N(5.5-6')</u>	
<u>05-MET-056</u>		<u>"</u>	<u>1110</u>	<u>X</u>		<u>X</u>			<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>N(4.5-5')</u>	
<u>EB082305CW</u>		<u>"</u>	<u>1100</u>	<u>-</u>		<u>X</u>			<u>11</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>EB</u>	
<u>EB082305S</u>		<u>"</u>	<u>1130</u>	<u>-</u>		<u>X</u>			<u>11</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>EB</u>	
<u>TR082305W</u>		<u>"</u>		<u>-</u>		<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>								<u>TB</u>	
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush				Relinquished by: _____				Date: <u>8/23/05</u> Time: <u>15:35</u>		Received by: _____				Date: <u>8/23/05</u> Time: <u>15:35</u>						
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
Date results are needed: _____				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
Rush results requested by (please circle): Fax Email				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
Fax #: _____ Email address: _____				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
Data Package Options (please circle if required):				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
QC Summary				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
Type I (Tier I)				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
Type II (Tier II)				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
Type III (NJ Reduced Del.)				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
Type IV (CLP)				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
Type VI (Raw Data)				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
GLP				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						
Other				Relinquished by: _____				Date: _____ Time: _____		Received by: _____				Date: _____ Time: _____						

For Lancaster Laboratories use only

Group No.: **936337**

Sample Nos.: **4569764-93**

Acc't No.: **11549**

SCR No.: \_\_\_\_\_

Cooler temperature upon receipt: \_\_\_\_\_ °C

Client: <b>Montgomery Watson Harza</b>		Acc't #: <b>11549</b>		<b>Analyses Requested</b>															Remarks:			
Project Manager: _____		Quote #: _____		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Matrix</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total # of Containers</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PPL VOAs, MTBE, TBA, <del>THB</del></div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOA TICs - 15</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PPL SVQAs + 4-MN</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">SVQA TICs - 25</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PPL Metals</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PPL Pesticides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Phenol</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Cyanide</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"><del>MASSING EDR</del></div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PPL DIST METALS</div> </div>																		
Project Name/#: <b>Former Metro Container Investigation</b>		Sampler: _____																				
P.O. #: _____		Name of state where samples were collected: <b>PA</b>																				
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other															
OS-MET-052	8/23/05				X			X	X	X	X	X	X	X	X	X	X					
OS-MET-055									X	X	X	X	X	X	X	X	X					
OS-MET-053									X	X	X	X	X	X	X	X	X					
OS-MET-134									X	X	X	X	X	X	X	X	X					
OS-MET-133									X	X	X	X	X	X	X	X	X					
OS-MET-135									X	X	X	X	X	X	X	X	X					
OS-MET-056	8/23/05								X	X	X	X	X	X	X	X	X					
OS-MET-128	8/22/05									X	X	X	X				X					
OS-MET-74										X	X	X	X				X					
OS-MET-40	8/22/05												X	X	X							
Turnaround Time Requested (TAT) (please circle): <u>Normal</u> <input type="radio"/> Rush <input type="radio"/>								Relinquished by: _____		Date: <u>8/23/05</u> Time: <u>1530</u>		Received by: _____		Date: <u>8/23/05</u> Time: <u>1520</u>								
(Rush TAT is subject to Lancaster Laboratories approval and surcharge)																						
Date results are needed: _____																						
Rush results requested by (please circle): <u>Fax</u> <input type="radio"/> Email <input type="radio"/>																						
Fax #: _____ Email address: _____																						
Data Package Options (please circle if required)				SDG Complete ? Yes No				Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____								
QC Summary Type I (Tier I) Type II (Tier II) Type III (NJ Reduced Del.) Type IV (CLP) Type VI (Raw Data) GLP Other								Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____								
Site specific QC required? Yes No (if yes, indicate QC sample and submit triplicate volume.) Internal chain of custody required? Yes No				Relinquished by: _____		Date: _____ Time: _____		Received by: _____		Date: _____ Time: _____												

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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**STL**

**STL Sacramento**  
880 Riverside Parkway  
West Sacramento, CA 95605

Tel: 916 373 5600 Fax: 916 372 1059  
[www.stl-inc.com](http://www.stl-inc.com)

August 31, 2005

**STL SACRAMENTO PROJECT NUMBER: G5H130206**  
PO/CONTRACT: 2111133.5640.010101

[REDACTED]  
MWH Laboratories  
335 Phoenixville Pike  
Malvern, PA 19355

Dear [REDACTED],

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on August 13, 2005. These samples are associated with your Former Metro Container project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at [REDACTED].

Sincerely,

[REDACTED]  
[REDACTED]  
Project Manager

## **TABLE OF CONTENTS**

### **STL SACRAMENTO PROJECT NUMBER G5H130206**

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 8290, 2,3,7,8-TCDD

Samples: 1 through 11

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

WATER, 8290, 2,3,7,8-TCDD

Sample: 12

Sample Data Sheet

Method Blank Report

Laboratory QC Reports

## **CASE NARRATIVE**

### **STL SACRAMENTO PROJECT NUMBER G5H130206**

#### **SOLID, 8290, 2,3,7,8-TCDD**

The reporting limit for sample 05-MET-126 was elevated due to matrix interferences.

There were no other anomalies associated with this project.

## STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

\*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

## QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):**

An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### G5H130206R

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
HHHXJ	1	05-MET-082	8/12/2005 07:40 AM	8/13/2005 10:15 AM
HHHXK	2	05-MET-112	8/9/2005 11:45 AM	8/13/2005 10:15 AM
HHHXL	3	05-MET-110	8/9/2005 10:00 AM	8/13/2005 10:15 AM
HHHXM	4	05-MET-093	8/11/2005 10:10 AM	8/13/2005 10:15 AM
HHHXN	5	05-MET-116	8/10/2005 08:00 AM	8/13/2005 10:15 AM
HHHXP	6	05-MET-104	8/11/2005 09:00 AM	8/13/2005 10:15 AM
HHHXQ	7	05-MET-095	8/10/2005 10:20 AM	8/13/2005 10:15 AM
HHHXR	8	05-MET-099	8/9/2005 10:30 AM	8/13/2005 10:15 AM
HHHXT	9	05-MET-126	8/10/2005 09:30 AM	8/13/2005 10:15 AM
HHHXV	10	05-MET-102	8/9/2005 02:30 PM	8/13/2005 10:15 AM
HHHXW	11	05-MET-033	8/11/2005 11:30 AM	8/13/2005 10:15 AM
HHHXX	12	EB081205D	8/12/2005 01:10 PM	8/13/2005 10:15 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight



## STL EDISON

777 New Durham Road  
Edison, New Jersey 08817  
Phone: (732) 549-3900 Fax: (732) 549-3679

## CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 2

Name (for report and invoice): [REDACTED]		Samplers Name (Printed): <i>Welher / Li</i>		Site/Project Identification: <i>Former Metro Container</i>	
Company: <i>MWH</i>		P.O. #		State (Location of site): NJ: <input type="checkbox"/> NY: <input type="checkbox"/> Other: <i>PA</i>	
Address: <i>335 Phoenixville Pike</i>		Analysis Turnaround Time: Standard <input type="checkbox"/> Rush Charges Authorized For: 2 Week <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input type="checkbox"/>		ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)	
City: <i>Malvern</i> State: <i>PA</i>					
Phone: [REDACTED] Fax: [REDACTED]					
				LAB USE ONLY Project No: Job No: Sample Numbers	
Sample Identification	Date	Time	Matrix	No. of Cont.	
05-MET-082	8/12/05	740	Soil	1	X
05-MET-112	8/9/05	1645	"	1	X
05-MET-110	"	1000	"	1	X
05-MET-093	8/11/05	1010	"	1	X
05-MET-116	8/10/05	800	"	1	X
05-MET-104	8/11/05	0900	"	1	X
05-MET-095	8/10/05	1020	"	1	X
05-MET-099	8/9/05	1030	"	1	X
05-MET-126	8/10/05	0930	"	1	X
05-MET-102	8/9/05	1430	"	1	X
Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO <sub>3</sub> , 5 = NaOH 6 = Other <i>NONE</i> , 7 = Other <i>ice</i>			Soil:		
			Water:		

Special Instructions: <i>Ship to Sacramento</i>			Water Metals Filtered (Yes/No)?		
Relinquished by:	Company:	Date / Time:	Received by:	Company:	
[REDACTED]	[REDACTED]	8/12/05 1315	[REDACTED]	[REDACTED]	
2) [REDACTED]	Company:	Date / Time:	Received by:	Company:	
[REDACTED]	[REDACTED]	8-12-05	[REDACTED]	[REDACTED]	8-13-05 1100
Relinquished by:	Company:	Date / Time:	Received by:	Company:	
3) [REDACTED]	[REDACTED]		[REDACTED]	[REDACTED]	
Relinquished by:	Company:	Date / Time:	Received by:	Company:	
4) [REDACTED]	[REDACTED]		[REDACTED]	[REDACTED]	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

777 New Durham Road  
Edison, New Jersey 08817  
Phone: (732) 549-3900 Fax: (732) 549-3679

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Special Instructions <i>Ship to Sacramento</i>			Water Metals Filtered (Yes/No)?	
Relinquished by [Redacted]	[Redacted]	Date / Time <i>8/12/05 12:15</i>	Received by [Redacted]	Company [Redacted]
[Redacted]	Company [Redacted]	Date / Time <i>8-12-05</i>	R [Redacted]	Company [Redacted] <i>8-13-05</i>
2) [Redacted]	[Redacted]	1	2) [Redacted]	[Redacted] <i>1100</i>
Relinquished by	Company	Date / Time	Received by	Company
3)		1	3)	
Relinquished by	Company	Date / Time	Received by	Company
4)		1	4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).



# STL

## LOT RECEIPT CHECKLIST STL Sacramento

CLIENT MWH PM 140 LOG # 34090

LOT# (QUANTIMS ID) G5H130206 QUOTE# 65984 LOCATION WYE

DATE RECEIVED 8-13-05 TIME RECEIVED 1015

Initials MH Date 8-13-05

DELIVERED BY ☒ FEDEX ☐ CA OVERNIGHT ☐ CLIENT  
☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL  
☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS  
☐ STL COURIER ☐ COURIERS ON DEMAND  
☐ OTHER

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☒ N/A

CUSTODY SEAL #(S) \_\_\_\_\_

SHIPPING CONTAINER(S) ☐ STL ☒ CLIENT ☐ N/A

TEMPERATURE RECORD (IN °C) IR ☒ 1 ☐ 3 ☐ OTHER \_\_\_\_\_

COC #(S) N/A

TEMPERATURE BLANK Observed: 2 Corrected: 2

SAMPLE TEMPERATURE

Observed: 5 8 10 Average: 7 Corrected Average: 7

COLLECTOR'S NAME: ☒ Verified from COC ☐ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW ☒ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM ☒ N/A

VOA-ENCORES ☒ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☒ N/A

☐ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☒ N/A

☒ Clouseau ☒ TEMPERATURE EXCEEDED (2 °C – 6 °C)\*1 ☐ N/A

☒ WET ICE 364g ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☒ PM NOTIFIED

Notes: melted

Lot  
ID:

G5H130206

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ												1								
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ	/	/	/	/	/	/	/	/	/	/	/	/								
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid   s = sulfuric acid   na = sodium hydroxide   n = nitric acid   zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 3/05 EM

Page 2

AR103121

SOLID, 8290,  
2,3,7,8-TCDD

## MWH LABORATORIES

Client Sample ID: 05-MET-082

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H130206- 001	Work Order #...	HHHXJ1AC	Matrix.....	SOLID
Date Sampled...	8/12/2005	Date Received..	8/13/2005	% Moisture..	11
Prep Date.....	8/18/2005	Analysis Date..	8/23/2005		
Prep Batch #...	5227367	Instrument.....	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	14	1.1	0.56	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	83		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-112

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H130206- 002	Work Order #...	HHHXK1AC	Matrix.....	SOLID
Date Sampled...	8/9/2005	Date Received..	8/13/2005	% Moisture..	46
Prep Date.....	8/18/2005	Analysis Date..	8/23/2005		
Prep Batch #...	5227367	Instrument.....	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.9	0.93	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	88		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

MWH LABORATORIES

Client Sample ID: 05-MET-110

Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...:	G5H130206- 003	Work Order #...:	HHHXL1AC	Matrix.....:	SOLID
Date Sampled...:	8/9/2005	Date Received...:	8/13/2005	% Moisture..:	41
Prep Date.....:	8/18/2005	Analysis Date...:	8/23/2005		
Prep Batch #...:	5227367	Instrument.....:	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.7	0.85	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	78		40 - 135	

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results



## MWH LABORATORIES

Client Sample ID: 05-MET-093

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H130206- 004	Work Order #...	HHHXMIAC	Matrix.....	SOLID
Date Sampled...	8/11/2005	Date Received..	8/13/2005	% Moisture..	61
Prep Date.....	8/18/2005	Analysis Date..	8/23/2005		
Prep Batch #...	5227367	Instrument.....	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	3.0	2.6	1.3	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	80		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-116

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H130206- 005	Work Order #...	HHHXN1AC	Matrix.....	SOLID
Date Sampled...	8/10/2005	Date Received...	8/13/2005	% Moisture..	46
Prep Date.....	8/18/2005	Analysis Date...	8/23/2005		
Prep Batch #...	5227367	Instrument.....	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	64	1.8	0.92	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	81	40 - 135		

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-104

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H130206- 006	Work Order #...	HHHXPIAC	Matrix.....	SOLID
Date Sampled...	8/11/2005	Date Received..	8/13/2005	% Moisture..	18
Prep Date.....	8/18/2005	Analysis Date..	8/23/2005		
Prep Batch #...	5227367	Instrument.....	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.2	0.61	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	74	40 - 135		

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-095

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H130206- 007	Work Order #...	HHHXQ1AC	Matrix.....	SOLID
Date Sampled...	8/10/2005	Date Received...	8/13/2005	% Moisture..	25
Prep Date.....	8/18/2005	Analysis Date...	8/23/2005		
Prep Batch #...	5227367	Instrument.....	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.3	0.67	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	77		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

MWH LABORATORIES

Client Sample ID: 05-MET-099

Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...:	G5H130206- 008	Work Order #...:	HHHXR1AC	Matrix.....:	SOLID
Date Sampled...:	8/9/2005	Date Received...:	8/13/2005	% Moisture..:	45
Prep Date.....:	8/18/2005	Analysis Date...:	8/24/2005		
Prep Batch #...:	5227367	Instrument.....:	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.8	0.90	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	82		40 - 135	

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-126

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H130206- 009	Work Order #...	HHHXT1AC	Matrix.....	SOLID
Date Sampled...	8/10/2005	Date Received...	8/13/2005	% Moisture..	31
Prep Date.....	8/18/2005	Analysis Date...	8/28/2005		
Prep Batch #...	5227367	Instrument.....	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	2.7	0.72	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	76		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-033

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H130206- 011	Work Order #...	HHHXW1AC	Matrix.....	SOLID
Date Sampled...	8/11/2005	Date Received...	8/13/2005	% Moisture..	25
Prep Date.....	8/18/2005	Analysis Date...	8/28/2005		
Prep Batch #...	5227367	Instrument.....	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.3	0.67	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	100		40 - 135	

**NOTES:**

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-102

Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H130206- 010	Work Order #...	HHHXV1AC	Matrix.....:	SOLID
Date Sampled...	8/9/2005	Date Received..:	8/13/2005	% Moisture..:	18
Prep Date.....:	8/18/2005	Analysis Date...:	8/28/2005		
Prep Batch #...	5227367	Instrument.....:	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.2	0.61	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	84	40 - 135		

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results



# QC DATA ASSOCIATION SUMMARY

G5H130206

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
002	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
003	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
004	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
005	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
006	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
007	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
008	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
009	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
010	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
011	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
012	WQ	SW846 8290		5235425	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G5H130206      Work Order #...: HHJ071AA      Matrix.....: SOLID  
 MB Lot-Sample #: G5H150000-367  
 Prep Date.....: 08/18/05  
 Analysis Date...: 08/22/05      Prep Batch #...: 5227367  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.0	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	58	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

# LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot #...: G5H130206      Work Order #...: HHJ071AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G5H150000-367  
 Prep Date.....: 08/18/05      Analysis Date...: 08/22/05  
 Prep Batch #...: 5227367  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	19.9	pg/g	99	SW846 8290
1,2,3,7,8-PeCDD	100	102	pg/g	102	SW846 8290
1,2,3,4,7,8-HxCDD	100	87.8	pg/g	88	SW846 8290
1,2,3,6,7,8-HxCDD	100	101	pg/g	101	SW846 8290
1,2,3,7,8,9-HxCDD	100	101	pg/g	101	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	101	pg/g	101	SW846 8290
OCDD	200	208	pg/g	104	SW846 8290
2,3,7,8-TCDF	20.0	21.1	pg/g	105	SW846 8290
1,2,3,7,8-PeCDF	100	102	pg/g	102	SW846 8290
2,3,4,7,8-PeCDF	100	100	pg/g	100	SW846 8290
1,2,3,4,7,8-HxCDF	100	109	pg/g	109	SW846 8290
1,2,3,6,7,8-HxCDF	100	113	pg/g	113	SW846 8290
2,3,4,6,7,8-HxCDF	100	115	pg/g	115	SW846 8290
1,2,3,7,8,9-HxCDF	100	116	pg/g	116	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	101	pg/g	101	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	105	pg/g	105	SW846 8290
OCDF	200	203	pg/g	101	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	(40 - 135)
13C-1,2,3,7,8-PeCDD	85	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	108	(40 - 135)
13C-OCDD	110	(40 - 135)
13C-2,3,7,8-TCDF	88	(40 - 135)
13C-1,2,3,7,8-PeCDF	82	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	103	(40 - 135)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## Trace Level Organic Compounds

Client Lot #...: G5H130206      Work Order #...: HHJ071AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G5H150000-367  
 Prep Date.....: 08/18/05      Analysis Date...: 08/22/05  
 Prep Batch #...: 5227367  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	99	(71 - 128)	SW846 8290
1,2,3,7,8-PeCDD	102	(73 - 134)	SW846 8290
1,2,3,4,7,8-HxCDD	88	(66 - 137)	SW846 8290
1,2,3,6,7,8-HxCDD	101	(75 - 131)	SW846 8290
1,2,3,7,8,9-HxCDD	101	(74 - 135)	SW846 8290
1,2,3,4,6,7,8-HpCDD	101	(76 - 130)	SW846 8290
OCDD	104	(74 - 133)	SW846 8290
2,3,7,8-TCDF	105	(71 - 134)	SW846 8290
1,2,3,7,8-PeCDF	102	(74 - 130)	SW846 8290
2,3,4,7,8-PeCDF	100	(71 - 133)	SW846 8290
1,2,3,4,7,8-HxCDF	109	(73 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	113	(69 - 139)	SW846 8290
2,3,4,6,7,8-HxCDF	115	(75 - 147)	SW846 8290
1,2,3,7,8,9-HxCDF	116	(71 - 140)	SW846 8290
1,2,3,4,6,7,8-HpCDF	101	(75 - 131)	SW846 8290
1,2,3,4,7,8,9-HpCDF	105	(68 - 138)	SW846 8290
OCDF	101	(68 - 142)	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	(40 - 135)
13C-1,2,3,7,8-PeCDD	85	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	108	(40 - 135)
13C-OCDD	110	(40 - 135)
13C-2,3,7,8-TCDF	88	(40 - 135)
13C-1,2,3,7,8-PeCDF	82	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	103	(40 - 135)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

WATER, 8290,  
2,3,7,8-TCDD

## MWH LABORATORIES

Client Sample ID: EB081205D

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H130206- 012	Work Order #...	HHHXX1AA	Matrix.....	WATER
Date Sampled...	8/12/2005	Date Received...	8/13/2005		
Prep Date.....	8/23/2005	Analysis Date...	8/25/2005		
Prep Batch #...	5235425	Instrument.....	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	5.0	2.5	pg/L
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	93		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

# QC DATA ASSOCIATION SUMMARY

G5H130206

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
002	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
003	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
004	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
005	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
006	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
007	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
008	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
009	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
010	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
011	SO	SW846 8290		5227367	
	SO	ASTM D 2216-90		5227480	
012	WQ	SW846 8290		5235425	

# METHOD BLANK REPORT

## Trace Level Organic Compounds

Client Lot #...: G5H130206      Work Order #...: HH4GE1AA      Matrix.....: WATER  
 MB Lot-Sample #: G5H230000-425  
 Prep Date.....: 08/23/05  
 Analysis Date...: 08/26/05      Prep Batch #...: 5235425  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	5.0	pg/L	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	100	(40 - 135)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.



# LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot #...: G5H130206      Work Order #...: HH4GE1AC      Matrix.....: WATER  
 LCS Lot-Sample#: G5H230000-425  
 Prep Date.....: 08/23/05      Analysis Date...: 08/26/05  
 Prep Batch #...: 5235425  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	200	207	pg/L	104	SW846 8290
1,2,3,7,8-PeCDD	1000	1100	pg/L	110	SW846 8290
1,2,3,4,7,8-HxCDD	1000	1100	pg/L	110	SW846 8290
1,2,3,6,7,8-HxCDD	1000	1120	pg/L	112	SW846 8290
1,2,3,7,8,9-HxCDD	1000	1140	pg/L	114	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000	1120	pg/L	112	SW846 8290
OCDD	2000	2380	pg/L	119	SW846 8290
2,3,7,8-TCDF	200	218	pg/L	109	SW846 8290
1,2,3,7,8-PeCDF	1000	1090	pg/L	109	SW846 8290
2,3,4,7,8-PeCDF	1000	1090	pg/L	109	SW846 8290
1,2,3,4,7,8-HxCDF	1000	1160	pg/L	116	SW846 8290
1,2,3,6,7,8-HxCDF	1000	1190	pg/L	119	SW846 8290
2,3,4,6,7,8-HxCDF	1000	1160	pg/L	116	SW846 8290
1,2,3,7,8,9-HxCDF	1000	1090	pg/L	109	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000	1100	pg/L	110	SW846 8290
1,2,3,4,7,8,9-HpCDF	1000	1110	pg/L	111	SW846 8290
OCDF	2000	2240	pg/L	112	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	105	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	106	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	111	(40 - 135)
13C-OCDD	106	(40 - 135)
13C-2,3,7,8-TCDF	104	(40 - 135)
13C-1,2,3,7,8-PeCDF	80	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	101	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	108	(40 - 135)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## Trace Level Organic Compounds

Client Lot #....: G5H130206      Work Order #....: HH4GE1AC      Matrix.....: WATER  
 LCS Lot-Sample#: G5H230000-425  
 Prep Date.....: 08/23/05      Analysis Date...: 08/26/05  
 Prep Batch #....: 5235425  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	104	(72 - 126)	SW846 8290
1,2,3,7,8-PeCDD	110	(71 - 132)	SW846 8290
1,2,3,4,7,8-HxCDD	110	(69 - 133)	SW846 8290
1,2,3,6,7,8-HxCDD	112	(74 - 131)	SW846 8290
1,2,3,7,8,9-HxCDD	114	(68 - 148)	SW846 8290
1,2,3,4,6,7,8-HpCDD	112	(78 - 125)	SW846 8290
OCDD	119	(74 - 131)	SW846 8290
2,3,7,8-TCDF	109	(69 - 133)	SW846 8290
1,2,3,7,8-PeCDF	109	(76 - 129)	SW846 8290
2,3,4,7,8-PeCDF	109	(69 - 127)	SW846 8290
1,2,3,4,7,8-HxCDF	116	(71 - 134)	SW846 8290
1,2,3,6,7,8-HxCDF	119	(65 - 145)	SW846 8290
2,3,4,6,7,8-HxCDF	116	(64 - 167)	SW846 8290
1,2,3,7,8,9-HxCDF	109	(62 - 161)	SW846 8290
1,2,3,4,6,7,8-HpCDF	110	(75 - 129)	SW846 8290
1,2,3,4,7,8,9-HpCDF	111	(70 - 140)	SW846 8290
OCDF	112	(70 - 136)	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	105	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	106	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	111	(40 - 135)
13C-OCDD	106	(40 - 135)
13C-2,3,7,8-TCDF	104	(40 - 135)
13C-1,2,3,7,8-PeCDF	80	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	101	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	108	(40 - 135)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



**STL**

**STL Sacramento**  
880 Riverside Parkway  
West Sacramento, CA 95605

Tel: 916 373 5600 Fax: 916 372 1059  
www.stl-inc.com

September 7, 2005

**STL SACRAMENTO PROJECT NUMBER: G5H130206R**  
**PO/CONTRACT: 2111133.5640.010101**

[REDACTED]  
MWH Laboratories  
335 Phoenixville Pike  
Malvern, PA 19355

Dear [REDACTED]

This report contains the revised report pages for the samples received under chain of custody by STL Sacramento on August 13, 2005. These samples are associated with your Former Metro Container project. As requested on 9/6/05, the sample identification was corrected on sample G5H130206-010.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at [REDACTED]

Sincerely,

[REDACTED]  
[REDACTED]  
Project Manager

## Sample Summary

### G5H130206R

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
HHHXJ	1	05-MET-082	8/12/2005 07:40 AM	8/13/2005 10:15 AM
HHHXK	2	05-MET-112	8/9/2005 11:45 AM	8/13/2005 10:15 AM
HHHXL	3	05-MET-110	8/9/2005 10:00 AM	8/13/2005 10:15 AM
HHHXM	4	05-MET-093	8/11/2005 10:10 AM	8/13/2005 10:15 AM
HHHXN	5	05-MET-116	8/10/2005 08:00 AM	8/13/2005 10:15 AM
HHHXP	6	05-MET-104	8/11/2005 09:00 AM	8/13/2005 10:15 AM
HHHXQ	7	05-MET-095	8/10/2005 10:20 AM	8/13/2005 10:15 AM
HHHXR	8	05-MET-099	8/9/2005 10:30 AM	8/13/2005 10:15 AM
HHHXT	9	05-MET-126	8/10/2005 09:30 AM	8/13/2005 10:15 AM
HHHXV	10	05-MET-102	8/9/2005 02:30 PM	8/13/2005 10:15 AM
HHHXW	11	05-MET-033	8/11/2005 11:30 AM	8/13/2005 10:15 AM
HHHXX	12	EB081205D	8/12/2005 01:10 PM	8/13/2005 10:15 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

## MWH LABORATORIES

Client Sample ID: 05-MET-102

Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H130206- 010	Work Order #...	HHHXV1AC	Matrix.....:	SOLID
Date Sampled...	8/9/2005	Date Received..:	8/13/2005	% Moisture..:	18
Prep Date.....:	8/18/2005	Analysis Date..:	8/28/2005		
Prep Batch #...	5227367	Instrument.....:	1D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.2	0.61	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	84		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results



**STL**

**STL Sacramento**  
880 Riverside Parkway  
West Sacramento, CA 95605

Tel: 916 373 5600 Fax: 916 372 1059  
[www.stl-inc.com](http://www.stl-inc.com)

August 31, 2005

**STL SACRAMENTO PROJECT NUMBER: G5H200183**  
PO/CONTRACT: 2111133.5640.010101

[REDACTED]  
MWH Laboratories  
335 Phoenixville Pike  
Malvern, PA 19355

Dear [REDACTED]

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on August 20, 2005. These samples are associated with your Former Metro Container project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at [REDACTED].

Sincerely,

[REDACTED]  
[REDACTED]  
Project Manager

## **TABLE OF CONTENTS**

### **STL SACRAMENTO PROJECT NUMBER G5H200183**

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 8290, 2,3,7,8-TCDD

Samples: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

## **CASE NARRATIVE**

### **STL SACRAMENTO PROJECT NUMBER G5H200183**

There were no anomalies associated with this project.



## STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 1/27/05

## QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):**

An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### G5H200183

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
HH0HC	1	05-MET-006	8/16/2005 09:10 AM	8/20/2005 09:15 AM
HH0HC	1	05-MET-006 DUP	8/16/2005 09:10 AM	8/20/2005 09:15 AM
HH0HJ	2	05-MET-015	8/15/2005 09:30 AM	8/20/2005 09:15 AM
HH0HN	3	05-MET-023	8/15/2005 12:10 PM	8/20/2005 09:15 AM
HH0HP	4	05-MET-131	8/18/2005 03:00 PM	8/20/2005 09:15 AM
HH0HQ	5	05-MET-086	8/12/2005 11:20 AM	8/20/2005 09:15 AM
HH0HW	6	05-MET-090	8/12/2005 10:20 AM	8/20/2005 09:15 AM
HH0H0	7	05-MET-090A	8/12/2005 10:30 AM	8/20/2005 09:15 AM
HH0H2	8	05-MET-002	8/17/2005 07:40 AM	8/20/2005 09:15 AM
HH0H3	9	05-MET-039	8/19/2005 09:00 AM	8/20/2005 09:15 AM
HH0H4	10	05-MET-020	8/19/2005 10:20 AM	8/20/2005 09:15 AM
HH0H5	11	05-MET-068	8/17/2005 01:50 PM	8/20/2005 09:15 AM
HH0H6	12	05-MET-035	8/18/2005 11:00 AM	8/20/2005 09:15 AM
HH0JE	13	05-MET-066	8/16/2005 08:30 AM	8/20/2005 09:15 AM
HH0JG	14	05-MET-058	8/16/2005 01:45 PM	8/20/2005 09:15 AM
HH0JL	15	05-METS-05	8/15/2005 02:50 PM	8/20/2005 09:15 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
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- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

**STL EDISON**

777 New Durham Road  
Edison, New Jersey 08817  
Phone: (732) 549-3900 Fax: (732) 549-3679

**CHAIN OF CUSTODY / ANALYSIS REQUEST**PAGE 1 OF 2

Company <u>MWH</u>		Samplers Name ( Printed ) <u>Welher / Li</u>		Site/Project Identification <u>Former Metra Container Investigation</u>		
Address <u>335 Phoenixville Pike</u>		P.O. #		State (Location of site): NJ: <input type="checkbox"/> NY: <input type="checkbox"/> Other: <u>PA</u>		
City <u>Malvern</u> State <u>PA</u>		Analysis Turnaround Time Standard <input checked="" type="checkbox"/> Rush Charges Authorized For: 2 Week <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input type="checkbox"/>		Regulatory Program:		
Phone <u>[REDACTED]</u> Fax <u>[REDACTED]</u>		ANALYSIS REQUESTED ( ENTER "X" BELOW TO INDICATE REQUEST )		LAB USE ONLY Project No:  Job No:  Sample Numbers		
Sample Identification	Date	Time	Matrix	No. of Cont.		
05-MET-006	8/16/05	910	Soil	1	X	
05-MET-015	8/16/05	930		1	X	
05-MET-023	8/15/05	1210		1	X	
05-MET-131	8/18/05	1500		1	X	
05-MET-086	8/12/05	1120		1	X	
05-MET-090	8/12/05	1020		1	X	
05-MET-090A	8/12/05	1030		1	X	
05-MET-002	8/17/05	740		1	X	
05-MET-039	8/19/05	900		1	X	
05-MET-020	8/19/05	1020	✓	1	X	
Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO <sub>3</sub> , 5 = NaOH 6 = Other <u>ice</u> , 7 = Other			Soil:			
			Water:			

Special Instructions <u>Ship to STL Sacramento</u>				Water Metals Filtered (Yes/No)?	
Relinquished by	Company	Date / Time	Received by	Company	
1) <u>[REDACTED]</u>	<u>[REDACTED]</u>	<u>8/19/05</u>	<u>[REDACTED]</u>	<u>1030</u>	
2) <u>[REDACTED]</u>	<u>[REDACTED]</u>	<u>8/19/05</u>	<u>[REDACTED]</u>	<u>STL-SAC 8-20-05</u>	
3) <u>[REDACTED]</u>	<u>[REDACTED]</u>	<u>[REDACTED]</u>	<u>[REDACTED]</u>	<u>[REDACTED]</u>	
4) <u>[REDACTED]</u>	<u>[REDACTED]</u>	<u>[REDACTED]</u>	<u>[REDACTED]</u>	<u>[REDACTED]</u>	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

AR103152

777 New Durham Road  
Edison, New Jersey 08817  
Phone: (732) 549-3900 Fax: (732) 549-3679

PAGE 2 OF 2

[illegible]

Special Instructions <i>Ship to STL Sacramento</i>			Water Metals Filtered (Yes/No)?	
1) Relinquished by <i>[Redacted]</i>	Company <i>[Redacted]</i>	Date / Time <i>[Redacted]</i>	Received by <i>[Redacted]</i>	Company <i>[Redacted]</i>
2) Relinquished by <i>[Redacted]</i>	Company <i>[Redacted]</i>	Date / Time <i>[Redacted]</i>	Received by <i>[Redacted]</i>	Company <i>[Redacted]</i>
3) Relinquished by <i>[Redacted]</i>	Company <i>[Redacted]</i>	Date / Time <i>[Redacted]</i>	Received by <i>[Redacted]</i>	Company <i>[Redacted]</i>
4) Relinquished by <i>[Redacted]</i>	Company <i>[Redacted]</i>	Date / Time <i>[Redacted]</i>	Received by <i>[Redacted]</i>	Company <i>[Redacted]</i>



# STL

## LOT RECEIPT CHECKLIST STL Sacramento

CLIENT MWH STL-Edison PM KD LOG # 34182  
LOT# (QUANTIMS ID) 254200183 QUOTE# 65984 LOCATION W21D

DATE RECEIVED 8-20-05 TIME RECEIVED 915

Initials CK Date 8-20-05

DELIVERED BY ☒ FEDEX ☐ CA OVERNIGHT ☐ CLIENT  
☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL  
☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS  
☐ STL COURIER ☐ COURIERS ON DEMAND  
☐ OTHER

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☒ N/A

CUSTODY SEAL #(S) \_\_\_\_\_

SHIPPING CONTAINER(S) ☐ STL ☒ CLIENT ☐ N/A

TEMPERATURE RECORD (IN °C) IR ☒ 1 ☐ 3 ☐ OTHER \_\_\_\_\_

COC #(S) N/A

TEMPERATURE BLANK Observed: N/A Corrected: \_\_\_\_\_

SAMPLE TEMPERATURE

Observed: 1 2 3 Average: 2 Corrected Average: 2

COLLECTOR'S NAME: ☒ Verified from COC ☐ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW ☒ N/A

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM ☒ N/A

VOA-ENCORES ☒ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☒ N/A

☒ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A

☐ Clouseau ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)\*1 ☒ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

Notes: \_\_\_\_\_

Lot  
ID:

G5H200183

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid   s = sulfuric acid   na = sodium hydroxide   n = nitric acid   zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

SOLID, 8290,  
2,3,7,8-TCDD

MWH LABORATORIES

Client Sample ID: 05-MET-006

Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 001	Work Order #...	HH0HC1AC	Matrix.....:	SOLID
Date Sampled...	8/16/2005	Date Received..:	8/20/2005	% Moisture..:	18
Prep Date.....:	8/23/2005	Analysis Date...:	8/25/2005		
Prep Batch #...	5235419	Instrument.....:	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.2	0.61	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	49		40 - 135	

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results



## MWH LABORATORIES

Client Sample ID: 05-MET-015

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 002	Work Order #...	HH0HJ1AC	Matrix.....	SOLID
Date Sampled...	8/15/2005	Date Received...	8/20/2005	% Moisture..	21
Prep Date.....	8/23/2005	Analysis Date...	8/25/2005		
Prep Batch #...	5235419	Instrument.....	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.3	0.63	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	73		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

MWH LABORATORIES

Client Sample ID: 05-MET-023

Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 003	Work Order #...	HH0HN1AC	Matrix.....:	SOLID
Date Sampled...	8/15/2005	Date Received...	8/20/2005	% Moisture..:	17
Prep Date.....:	8/23/2005	Analysis Date...	8/25/2005		
Prep Batch #...	5235419	Instrument.....:	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.2	0.60	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	63		40 - 135	

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-131

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 004	Work Order #...	HH0HP1AC	Matrix.....	SOLID
Date Sampled...	8/18/2005	Date Received...	8/20/2005	% Moisture..	8.8
Prep Date.....	8/23/2005	Analysis Date...	8/26/2005		
Prep Batch #...	5235419	Instrument.....	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	2.3	1.1	0.55	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	81	40 - 135		

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-086

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 005	Work Order #...	HH0HQ1AC	Matrix.....	SOLID
Date Sampled...	8/12/2005	Date Received..	8/20/2005	% Moisture..	12
Prep Date.....	8/23/2005	Analysis Date...	8/26/2005		
Prep Batch #...	5235419	Instrument.....	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	6.5	1.1	0.57	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	54	40 - 135		

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-090

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 006	Work Order #...	HH0HW1AC	Matrix.....:	SOLID
Date Sampled...	8/12/2005	Date Received...	8/20/2005	% Moisture..:	18
Prep Date.....:	8/23/2005	Analysis Date...	8/26/2005		
Prep Batch #...	5235419	Instrument.....:	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	5.3	1.2	0.61	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	51		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-090A

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 007	Work Order #...	HH0H01AC	Matrix.....	SOLID
Date Sampled...	8/12/2005	Date Received...	8/20/2005	% Moisture..	16
Prep Date.....	8/23/2005	Analysis Date...	8/26/2005		
Prep Batch #...	5235419	Instrument.....	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	2.1	1.2	0.59	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	85	40 - 135		

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-002

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 008	Work Order #...	HH0H21AC	Matrix.....	SOLID
Date Sampled...	8/17/2005	Date Received..	8/20/2005	% Moisture..	21
Prep Date.....	8/23/2005	Analysis Date..	8/26/2005		
Prep Batch #...	5235419	Instrument.....	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	1.7	1.3	0.63	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	77	40 - 135		

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-039

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 009	Work Order #...	HH0H31AC	Matrix.....	SOLID
Date Sampled...	8/19/2005	Date Received...	8/20/2005	% Moisture..	22
Prep Date.....	8/23/2005	Analysis Date...	8/26/2005		
Prep Batch #...	5235419	Instrument.....	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.3	0.64	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	74		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results



## MWH LABORATORIES

Client Sample ID: 05-MET-020

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 010	Work Order #...	HH0H41AC	Matrix.....	SOLID
Date Sampled...	8/19/2005	Date Received...	8/20/2005	% Moisture..	22
Prep Date.....	8/23/2005	Analysis Date...	8/26/2005		
Prep Batch #...	5235419	Instrument.....	9D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.3	0.64	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	77		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-068

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 011	Work Order #...	HH0H51AC	Matrix.....	SOLID
Date Sampled...	8/17/2005	Date Received...	8/20/2005	% Moisture..	11
Prep Date.....	8/23/2005	Analysis Date...	8/26/2005		
Prep Batch #...	5235419	Instrument.....	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.1	0.56	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	56		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-035

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 012	Work Order #...	HH0H61AC	Matrix.....	SOLID
Date Sampled...	8/18/2005	Date Received...	8/20/2005	% Moisture..	28
Prep Date.....	8/23/2005	Analysis Date...	8/26/2005		
Prep Batch #...	5235419	Instrument.....	9D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.4	0.70	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	85		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-066

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 013	Work Order #...	HH0JE1AC	Matrix.....	SOLID
Date Sampled...	8/16/2005	Date Received...	8/20/2005	% Moisture..	17
Prep Date.....	8/23/2005	Analysis Date...	8/26/2005		
Prep Batch #...	5235419	Instrument.....	9D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.2	0.60	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	73		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

MWH LABORATORIES

Client Sample ID: 05-MET-058

Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 014	Work Order #...	HH0JG1AC	Matrix.....	SOLID
Date Sampled...	8/16/2005	Date Received...	8/20/2005	% Moisture..	13
Prep Date.....	8/23/2005	Analysis Date...	8/26/2005		
Prep Batch #...	5235419	Instrument.....	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	1.1	0.57	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	45		40 - 135	

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-METS-05

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H200183- 015	Work Order #...	HH0JL1AC	Matrix.....	SOLID
Date Sampled...	8/15/2005	Date Received...	8/20/2005	% Moisture..	56
Prep Date.....	8/23/2005	Analysis Date...	8/26/2005		
Prep Batch #...	5235419	Instrument.....	7D2		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	1.6 J	2.3	1.1	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	81		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

J Estimated result. Result is less than the reporting limit.

# QC DATA ASSOCIATION SUMMARY

G5H200183

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
002	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
003	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
004	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
005	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
006	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
007	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
008	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
009	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
010	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
011	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
012	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
013	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305
014	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

G5H200183

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
015	SO	SW846 8290		5235419	
	SO	ASTM D 2216-90		5234423	5234305



METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G5H200183  
MB Lot-Sample #: G5H230000-419

Work Order #...: HH4F81AA

Matrix.....: SOLID

Prep Date.....: 08/23/05

Analysis Date...: 08/27/05

Prep Batch #...: 5235419

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	ND	0.36	pg/g	SW846 8290

<u>INTERNAL STANDARDS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
13C-2,3,7,8-TCDD	87	(40 - 135)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

# LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot #...: G5H200183      Work Order #...: HH4F81AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G5H230000-419  
 Prep Date.....: 08/23/05      Analysis Date...: 08/28/05  
 Prep Batch #...: 5235419  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	20.0	18.5	pg/g	92	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	(40 - 135)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## Trace Level Organic Compounds

Client Lot #....: G5H200183      Work Order #....: HH4F81AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G5H230000-419  
 Prep Date.....: 08/23/05      Analysis Date...: 08/28/05  
 Prep Batch #....: 5235419  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	92	(71 - 128)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	(40 - 135)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



STL

**STL Sacramento**  
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West Sacramento, CA 95605

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September 9, 2005

**STL SACRAMENTO PROJECT NUMBER: G5H260249**  
PO/CONTRACT: 211133-010101

[REDACTED]  
MWH Laboratories  
335 Phoenixville Pike  
Malvern, PA 19355

Dear [REDACTED],

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on August 26, 2005. These samples are associated with your Former Metro Container Investigation project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at [REDACTED].

Sincerely,

[REDACTED]  
[REDACTED]  
[REDACTED]  
Project Manager

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STL Sacramento Quality Assurance Program

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**SOLID, 8290, 2,3,7,8-TCDD**

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Sample Data Sheets

Method Blank Reports

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**WATER, 8290, 2,3,7,8-TCDD**

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Sample Data Sheet

Method Blank Report

Laboratory QC Reports

**SOLID, D 2216-90, % Moisture**

Samples: 1, 2, 3, 4, 5, 6

Sample Data Sheets

## **CASE NARRATIVE**

### **STL SACRAMENTO PROJECT NUMBER G5H260249**

#### **SOLID, 8290, 2,3,7,8-TCDD**

The 2,3,7,8-TCDD results for samples 05-MET-074A & 05-MET-129 have been flagged with a 'JA' qualifier due to a matrix interference that caused their ion ratios to be outside control limits. These results should be considered estimated concentrations since their quantitation was based on theoretical ratios.

Due to the matrix, only 1 gram of sample instead of the normal 10 grams was extracted for samples 05-MET-074 & 05-MET-074A. Results and reporting limits have been adjusted accordingly.

Due to the matrix, only 5 grams of sample instead of the normal 10 grams were extracted for samples 05-MET-071, 05-MET-129, 05-MET-045S, & 05-MET-055. Results and reporting limits have been adjusted accordingly.

#### **WATER, 8290, 2,3,7,8-TCDD**

The ending standard showed a low recovery for 2,3,7,8-TCDD. An average response factor (calculated from the beginning and ending standards) was used to calculate any positive results for this analyte.

There were no other anomalies associated with this project.

## STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

\*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

## QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):**

An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### G5H260249

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
HJCTM	1	05-MET-074	8/22/2005 11:50 AM	8/26/2005 09:10 AM
HJCTM	1	05-MET-074 DUP	8/22/2005 11:50 AM	8/26/2005 09:10 AM
HJCTW	2	05-MET-074A	8/22/2005 11:55 AM	8/26/2005 09:10 AM
HJCT4	3	05-MET-071	8/22/2005 10:30 AM	8/26/2005 09:10 AM
HJCT6	4	05-MET-129	8/22/2005 08:05 AM	8/26/2005 09:10 AM
HJCVA	5	05-MET-045S	8/22/2005 10:00 AM	8/26/2005 09:10 AM
HJCVD	6	05-MET-055	8/23/2005 08:10 AM	8/26/2005 09:10 AM
HJCVH	7	EB082205S	8/22/2005 04:15 PM	8/26/2005 09:10 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight



# STL EDISON

777 New Durham Road  
Edison, New Jersey 08817  
Phone: (732) 549-3900 Fax: (732) 549-3679

## CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE \_\_\_ OF \_\_\_

Name ( for report and invoice ) [Redacted]		Samplers Name ( Printed ) BOW + SL		Site/Project Identification Metro Container Trainer, PA			
Company MWH		P.O. # 211/33-0101		State (Location of site): NJ: <input type="checkbox"/> NY: <input type="checkbox"/> Other: PA			
Address 335 Phoenixville Pike		Analysis Turnaround Time Standard <input checked="" type="checkbox"/> Rush Charges Authorized For: 2 Week <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input type="checkbox"/>		ANALYSIS REQUESTED ( ENTER 'X' BELOW TO INDICATE REQUEST )			
City Malvern		State PA		LAB USE ONLY Project No:  Job No:  Sample Numbers			
Phone [Redacted]		Fax [Redacted]					
Sample Identification		Date	Time			Matrix	No. of Cont.
05-MET-074		8/22/05	1150			Soil	1
05-MET-074A		"	1155	"	1		
05-MET-071		"	1030	"	1		
05-MET-129		"	0805	"	1		
05-MET-045S		"	1000	"	1		
05-MET-055		8/23/05	0810	"	1		
EB082205S		8/22/05	1615	Water	1		
Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO <sub>3</sub> , 5 = NaOH		Soil:					
6 = Other None, 7 = Other		Water:					

### Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by [Redacted]	Company [Redacted]	Date / Time 8/25/05	Received by 1) [Redacted]	Company [Redacted]
Relinquished by [Redacted]	Company [Redacted]	Date / Time 8/25/05, 1030	Received by 2) [Redacted]	Company [Redacted]
Relinquished by [Redacted]	Company [Redacted]	Date / Time	Received by 3) [Redacted]	Company [Redacted]
Relinquished by [Redacted]	Company [Redacted]	Date / Time	Received by 4) [Redacted]	Company [Redacted]

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

AR103182



# STL

## LOT RECEIPT CHECKLIST STL Sacramento

CLIENT STL Edison 0082605 PM KD LOG # 34271  
LOT# (QUANTIMS ID) GSH260249 QUOTE# 65984 LOCATION W3C

DATE RECEIVED 8/26/05 TIME RECEIVED 0910  
DELIVERED BY ☒ FEDEX ☐ CA OVERNIGHT ☐ CLIENT  
☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL  
☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS  
☐ STL COURIER ☐ COURIERS ON DEMAND  
☐ OTHER

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☒ N/A

CUSTODY SEAL #(S) N/A

SHIPPING CONTAINER(S) ☒ STL ☐ CLIENT ☐ N/A

TEMPERATURE RECORD (IN °C) IR 1 ☒ 3 ☐ OTHER ☐

COC #(S) N/A

TEMPERATURE BLANK Observed: 1 Corrected: 3

SAMPLE TEMPERATURE

Observed: 5 5 6 Average: 5 Corrected Average: 5

COLLECTOR'S NAME: ☒ Verified from COC ☐ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW ☒ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM ☒ N/A

VOA-ENCORES ☒ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☒ N/A

☒ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A

☐ Clouseau ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)\*1 ☒ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

Notes: \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is  $\leq 4^{\circ}\text{C}$ .

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

Lot  
ID:

G5H260249

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ							/													
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ	/	/	/	/	/	/	/													
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

SOLID, 8290,  
2,3,7,8-TCDD

## MWH LABORATORIES

Client Sample ID: 05-MET-074

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H260249- 001	Work Order #...	HJCTM1AC	Matrix.....	SOLID
Date Sampled...	8/22/2005	Date Received..	8/26/2005	% Moisture..	25
Prep Date.....	8/29/2005	Analysis Date..	8/31/2005		
Prep Batch #...	5241599	Instrument.....	9D5		
Dilution Factor:	10				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	13	6.6	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	84		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-074A

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H260249- 002	Work Order #...	HJCTW1AC	Matrix.....	SOLID
Date Sampled...	8/22/2005	Date Received..	8/26/2005	% Moisture..	27
Prep Date.....	8/29/2005	Analysis Date..	8/31/2005		
Prep Batch #...	5241599	Instrument.....	9D5		
Dilution Factor:	10				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	14 JA	14	6.8	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	89	40 - 135		

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

JA The analyte was positively identified, but the quantitation is an estimate.

## MWH LABORATORIES

Client Sample ID: 05-MET-071

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H260249- 003	Work Order #...	HJCT41AC	Matrix.....	SOLID
Date Sampled...	8/22/2005	Date Received..	8/26/2005	% Moisture..	33
Prep Date.....	8/29/2005	Analysis Date..	8/31/2005		
Prep Batch #...	5241599	Instrument.....	9D5		
Dilution Factor:	2				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	3.0	1.5	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	89		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-129

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H260249- 004	Work Order #...	HJCT61AC	Matrix.....	SOLID
Date Sampled...	8/22/2005	Date Received..	8/26/2005	% Moisture..	30
Prep Date.....	8/29/2005	Analysis Date..	8/31/2005		
Prep Batch #...	5241599	Instrument.....	9D5		
Dilution Factor:	2				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	5.7 JA	2.8	1.4	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	85	40 - 135		

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

JA The analyte was positively identified, but the quantitation is an estimate.



## MWH LABORATORIES

Client Sample ID: 05-MET-045S

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H260249- 005	Work Order #...	HJCVA1AC	Matrix.....	SOLID
Date Sampled...	8/22/2005	Date Received...	8/26/2005	% Moisture..	14
Prep Date.....	8/29/2005	Analysis Date...	8/31/2005		
Prep Batch #...	5241599	Instrument.....	9D5		
Dilution Factor:	2				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	2.3	1.2	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	96	40 - 135		

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

## MWH LABORATORIES

Client Sample ID: 05-MET-055

## Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H260249- 006	Work Order #...	HJCVD1AC	Matrix.....	SOLID
Date Sampled...	8/23/2005	Date Received..	8/26/2005	% Moisture..	21
Prep Date.....	8/29/2005	Analysis Date..	8/31/2005		
Prep Batch #...	5241599	Instrument.....	9D5		
Dilution Factor:	2				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	2.5	1.3	pg/g
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	87		40 - 135	

## NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results

# QC DATA ASSOCIATION SUMMARY

G5H260249

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 8290		5241599	
	SO	ASTM D 2216-90		5241583	5243309
002	SO	SW846 8290		5241599	
	SO	ASTM D 2216-90		5241583	5243309
003	SO	SW846 8290		5241599	
	SO	ASTM D 2216-90		5241583	5243309
004	SO	SW846 8290		5241599	
	SO	ASTM D 2216-90		5241583	5243309
005	SO	SW846 8290		5241599	
	SO	ASTM D 2216-90		5241583	5243309
006	SO	SW846 8290		5241599	
	SO	ASTM D 2216-90		5241583	5243309
007	WQ	SW846 8290		5245409	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G5H260249  
MB Lot-Sample #: G5H290000-599

Work Order #...: HJG431AA

Matrix.....: SOLID

Prep Date.....: 08/29/05

Analysis Date...: 08/31/05

Prep Batch #...: 5241599

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	ND	1.0	pg/g	SW846 8290

<u>INTERNAL STANDARDS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
13C-2,3,7,8-TCDD	83	(40 - 135)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

# LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot #...: G5H260249      Work Order #...: HJG431AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G5H290000-599  
 Prep Date.....: 08/29/05      Analysis Date...: 08/31/05  
 Prep Batch #...: 5241599  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	20.0	19.1	pg/g	96	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	84	(40 - 135)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## Trace Level Organic Compounds

Client Lot #....: G5H260249      Work Order #....: HJG431AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G5H290000-599  
 Prep Date.....: 08/29/05      Analysis Date...: 08/31/05  
 Prep Batch #....: 5241599  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	96	(71 - 128)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	84	(40 - 135)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**WATER, 8290,  
2,3,7,8-TCDD**

MWH LABORATORIES

Client Sample ID: EB082205S

Dioxins/Furans, HRGC/HRMS (8290)

Lot-Sample #...	G5H260249- 007	Work Order #...	HJCVH1AA	Matrix.....	WATER
Date Sampled...	8/22/2005	Date Received..	8/26/2005		
Prep Date.....	9/2/2005	Analysis Date..	9/6/2005		
Prep Batch #...	5245409	Instrument.....	9D5		
Dilution Factor:	1				

PARAMETER	RESULT	REPORTING LIMIT	METHOD DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	10	5.0	pg/L
INTERNAL STANDARDS	PERCENT RECOVERY		RECOVERY LIMITS	
13C-2,3,7,8-TCDD	111		40 - 135	

NOTES:

Calculations are performed before rounding to avoid round-off errors in calculated results



# QC DATA ASSOCIATION SUMMARY

G5H260249

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 8290		5241599	
002	SO	SW846 8290		5241599	
003	SO	SW846 8290		5241599	
004	SO	SW846 8290		5241599	
005	SO	SW846 8290		5241599	
006	SO	SW846 8290		5241599	
007	WQ	SW846 8290		5245409	

# METHOD BLANK REPORT

## Trace Level Organic Compounds

Client Lot #...: G5H260249      Work Order #...: HJWMF1AA      Matrix.....: WATER  
 MB Lot-Sample #: G5I020000-409  
 Prep Date.....: 09/02/05  
 Analysis Date...: 09/06/05      Prep Batch #...: 5245409  
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	10	pg/L	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	108	(40 - 135)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

# LABORATORY CONTROL SAMPLE DATA REPORT

## Trace Level Organic Compounds

Client Lot #...: G5H260249      Work Order #...: HJWMF1AC      Matrix.....: WATER  
 LCS Lot-Sample#: G5I020000-409  
 Prep Date.....: 09/02/05      Analysis Date...: 09/06/05  
 Prep Batch #...: 5245409  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	200	230	pg/L	115	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	110	(40 - 135)

### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## Trace Level Organic Compounds

Client Lot #...: G5H260249      Work Order #...: HJWMF1AC      Matrix.....: WATER  
 LCS Lot-Sample#: G5I020000-409  
 Prep Date.....: 09/02/05      Analysis Date...: 09/06/05  
 Prep Batch #...: 5245409  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	115	(72 - 126)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	110	(40 - 135)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**SOLID, D 2216-90,  
% Moisture**

MWH LABORATORIES

Client Sample ID: 05-MET-074

General Chemistry

Lot-Sample #...: G5H260249-001

Work Order #...: HJCTM

Matrix.....: SO

Date Sampled...: 08/22/05

Date Received...: 08/26/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	24.7	0.10	%	ASTM D 2216-90	08/29-08/30/05	5241583

Dilution Factor: 1

MWH LABORATORIES

Client Sample ID: 05-MET-074A

General Chemistry

Lot-Sample #...: G5H260249-002

Work Order #...: HJCTW

Matrix.....: SO

Date Sampled...: 08/22/05

Date Received...: 08/26/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	26.8	0.10	%	ASTM D 2216-90	08/29-08/30/05	5241583

Dilution Factor: 1

MWH LABORATORIES

Client Sample ID: 05-MET-071

General Chemistry

Lot-Sample #...: G5H260249-003

Work Order #...: HJCT4

Matrix.....: SO

Date Sampled...: 08/22/05

Date Received..: 08/26/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	33.4	0.10	%	ASTM D 2216-90	08/29-08/30/05	5241583

Dilution Factor: 1



MWH LABORATORIES

Client Sample ID: 05-MET-129

General Chemistry

Lot-Sample #...: G5H260249-004

Work Order #...: HJCT6

Matrix.....: SO

Date Sampled...: 08/22/05

Date Received..: 08/26/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	29.7	0.10	%	ASTM D 2216-90	08/29-08/30/05	5241583

Dilution Factor: 1

MWH LABORATORIES

Client Sample ID: 05-MET-045S

General Chemistry

Lot-Sample #...: G5H260249-005

Work Order #...: HJCV4

Matrix.....: SO

Date Sampled...: 08/22/05

Date Received...: 08/26/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	14.2	0.10	%	ASTM D 2216-90	08/29-08/30/05	5241583

Dilution Factor: 1

MWH LABORATORIES

Client Sample ID: 05-MET-055

General Chemistry

Lot-Sample #...: G5H260249-006

Work Order #...: HJCVD

Matrix.....: SO

Date Sampled...: 08/23/05

Date Received...: 08/26/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	20.8	0.10	%	ASTM D 2216-90	08/29-08/30/05	5241583

Dilution Factor: 1

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #....: G5H260249

Work Order #....: HJCTM-SMP  
HJCTM-DUP

Matrix.....: SO

Date Sampled....: 08/22/05

Date Received...: 08/26/05

% Moisture.....: 25

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	24.7	22.9	%	7.3	(0-10)	ASTM D 2216-90	08/29-08/30/05	5241583
Dilution Factor: 1								

SD Lot-Sample #: G5H260249-001