

# **SITE CHARACTERIZATION REPORT**

**TRAINER INDUSTRIES, LLC/  
FORMER METRO CONTAINER CORPORATION  
TRAINER, PENNSYLVANIA**

## **VOLUME 1 NARRATIVE & TABLES**

*Prepared for*

**ConocoPhillips Company**  
**Environmental Health & Safety**  
Trainer Refinery  
4101 Post Road  
Trainer, Pennsylvania 19061

*Prepared by*

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

MWH Project No. 2111133

**November 11, 2005**



# **SITE CHARACTERIZATION REPORT**

## **TRAINER INDUSTRIES, LLC FORMER METRO CONTAINER CORPORATION TRAINER, PENNSYLVANIA**

*Prepared for*

**ConocoPhillips Company  
Environmental Health & Safety  
Trainer Refinery  
4101 Post Road  
Trainer, Pennsylvania 19061**

*Prepared by*

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

MWH Project No. 2111133

Written By: 

Pennsylvania Professional Geologist-0125-G

**November 11, 2005**



---

## VOLUME 1

### TABLE OF CONTENTS

SECTION	PAGE
<b>1. INTRODUCTION .....</b>	<b>1-1</b>
1.1 Scope of Document .....	1-1
1.2 Site Operational History .....	1-1
1.2.1 Site Ownership and Operational History (1892-1920) .....	1-1
1.2.2 Site Ownership and Operational History (1920-1959) .....	1-2
1.2.3 Site Ownership and Operational History (1963-1988) .....	1-3
1.3 Regulatory and Environmental History Review (1965-2001) .....	1-5
1.4 Site Ownership and Current Operations (2001-Present) .....	1-39
<b>2. PHYSICAL SETTING .....</b>	<b>2-1</b>
2.1 Regional Geology .....	2-1
2.2 Site Geology .....	2-1
2.2.1 Anthropogenic Fill .....	2-1
2.2.2 Alluvial Silt, Clayey Silt, and Peat (Holocene-Age Alluvium) .....	2-1
2.2.3 Gravel and Sand, with Sandy Silt, Silt, and Clayey Silt (Cape May Formation) .....	2-2
2.2.4 Saprolite and Competent Bedrock (Wissahickon Formation) .....	2-3
2.3 Regional Hydrogeology .....	2-3
2.4 Site Hydrogeology .....	2-4
2.5 Groundwater and Surface Water Utilization .....	2-4
2.6 Proximity to Sensitive Environments .....	2-5
<b>3. SITE CHARACTERIZATION SCOPE OF WORK .....</b>	<b>3-1</b>
3.1 Site Characterization Investigation Strategy .....	3-1
3.2 Mapping of Anthropogenic Fill and Sludge Deposits .....	3-2
3.3 Geophysical Survey and Test Trenches .....	3-2
3.4 Soil, Groundwater, and Sediment Sampling .....	3-2
<b>4. INVESTIGATIVE RESULTS .....</b>	<b>4-1</b>
4.1 Anthropogenic Fill .....	4-1
4.2 Geophysical Results and Test Trenches .....	4-1
4.3 2005 Site Characterization Soil Sample Analytical Results .....	4-3
4.4 2005 Site Characterization Groundwater Analytical Results .....	4-6
4.5 2005 Site Characterization Sediment Analytical Results .....	4-8
<b>5. CONCLUSIONS .....</b>	<b>5-1</b>
<b>6. REFERENCES .....</b>	<b>6-1</b>



## **VOLUME 1 LIST OF TABLES**

Table 4-1.	Unsaturated Subsurface Soil Analytical Results
Table 4-2.	Saturated Subsurface Soil Analytical Results
Table 4-3.	Sand Blast Material Analytical Results
Table 4-4.	Groundwater Analytical Results
Table 4-5.	Stony Creek Sediment Analytical Results
Table 5-1.	Maximum Concentrations of Contaminants – Soils, Groundwater, and Sediment



---

## **VOLUME 2**

### **LIST OF FIGURES**

- Figure 1-1. Trainer Industries, LLC/Formal Metro Container Site Location Map
- Figure 3-1. Location of Historical Operations and 2005 Site Characterization Sampling Locations
- Figure 4-1. Location of Sludge Deposits and Thickness of Anthropogenic Fill
- Figure 4-2. Geophysical Survey EM-61 Contour Map and Location of Test Trenches
- Figure 4-3. Organic Analytical Result Map - Soils; Southwest Area
- Figure 4-4. Inorganic Analytical Result Map – Soils; Southwest Area
- Figure 4-5. Organic Analytical Result Map - Soils; West Area
- Figure 4-6. Inorganic Analytical Result Map – Soils; West Area
- Figure 4-7. Organic Analytical Result Map - Soils; North Area
- Figure 4-8. Inorganic Analytical Result Map – Soils; North Area
- Figure 4-9. Organic Analytical Result Map - Soils; Center Area
- Figure 4-10. Inorganic Analytical Result Map – Soils; Center Area
- Figure 4-11. Organic Analytical Result Map - Soils; South Area-West
- Figure 4-12. Organic Analytical Result Map - Soils; South Area-East
- Figure 4-13. Inorganic Analytical Result Map – Soils; South Area
- Figure 4-14. Organic Analytical Result Map - Soils; East/Southeast Area
- Figure 4-15. Inorganic Analytical Result Map – Soils; East/Southeast Area
- Figure 4-16. Location of Historical Operations and 2005 Site Characterization Groundwater and Sediment Sampling Locations
- Figure 4-17. Benzo(a)anthracene Isoconcentration Map
- Figure 4-18. Benzo(a)pyrene Isoconcentration Map
- Figure 4-19. Benzo(b)fluoranthene Isoconcentration Map
- Figure 4-20. Benzo(g,h,i)perylene Isoconcentration Map
- Figure 4-21. Benzo(k)fluoranthene Isoconcentration Map
- Figure 4-22. Bis-2-ethylhexyl phthalate Isoconcentration Map
- Figure 4-23. Chrysene Isoconcentration Map
- Figure 4-24. Dibenz(a,h)anthracene Isoconcentration Map
- Figure 4-25. Indeno(1,2,3-cd)pyrene Isoconcentration Map
- Figure 4-26. Pyrene Isoconcentration Map
- Figure 4-27. PCB 1248 Isoconcentration Map
- Figure 4-28. PCB 1254 Isoconcentration Map
- Figure 4-29. PCB 1260 Isoconcentration Map
- Figure 4-30. Total Arsenic Isoconcentration Map
- Figure 4-31. Total Chromium Isoconcentration Map
- Figure 4-32. Total Lead Isoconcentration Map
- Figure 4-33. Dissolved Lead Isoconcentration Map
- Figure 4-34. Benzene Isoconcentration Map
- Figure 4-35. TCE Isoconcentration Map



- Figure 4-36. Vinyl Chloride Isoconcentration Map  
Figure 4-37. Organic Analytical Result Map – Stony Creek Sediment  
Figure 4-38. Inorganic Analytical Result Map – Stony Creek Sediment

## **VOLUME 2**

### **LIST OF APPENDICES**

- APPENDIX A. Photographic Log of the Trainer Industries, LLC/Formal Metro Container Corporation Site  
APPENDIX B. Advanced Geological Services EM and GPR Survey Report (1999) and Quantum Geophysics EM-61 Survey Report (2005)  
APPENDIX C. 2005 Site Characterization Soil Boring Logs  
APPENDIX D. Laboratory Analytical Results (CD Only)



---

## 1.0 INTRODUCTION

### 1.1 Scope of Document

This report summarizes the activities and results of a 2005 Site Characterization conducted of the Trainer Industries, LLC site, located in Trainer, Pennsylvania (**Figure 1-1**). This 2005 Site Characterization was conducted on behalf of ConocoPhillips Company, the owner of the adjacent Trainer Refinery, who was considering the purchase of the property. This report, prepared in accordance with industry standards for due diligence/Site Characterization assessments and investigations, is divided into the following six report sections:

- Introduction - provides the scope of report and details the site history and current operations of the property;
- Physical Setting - provides descriptions of the regional and site geology, hydrogeology, and groundwater and surface water utilization;
- Investigation Strategies - provides a description of the strategies used during the 2005 Site Characterization for determining the distribution of anthropogenic fill and the presence of soil, groundwater, and sediment contamination;
- Investigation Results - summarizes the results of the 2005 Site Characterization;
- Conclusions - summarizes any further actions related to the 2005 Site Characterization work;
- References and Appendices- provides a list of the references used in the preparation of this report.

### 1.2 Site Operational History

The Trainer Industries, LLC site is a 10.4 acre facility located in the Borough of Trainer, Delaware County, on the west bank of the Delaware River in the extreme southeastern corner of Pennsylvania (approximately 20 miles south of Philadelphia, Pennsylvania; see **Figure 1-1**).

#### 1.2.1 Site Ownership and Operational History (1892-1920)

Reviews of Franklin Atlas survey maps indicate that the main portion of the Trainer Industries, LLC/former Metro Container Corporation (Metro Container) property was the site of the Delaware Oil Works at the close of the 19<sup>th</sup> century. By 1913, the site was occupied by an



expansive operation of the Manufacturers Paraffine Company, which included dozens of iron storage tanks, refinery stills, an agitator house, a boiler house, open water condensers, finished product storage facilities, and a packing shed and barreling house for the finished wax products. At this time, the westernmost portion of the site adjacent to Stony Creek had not yet been filled in and there was a small pond that fed into Stony Creek in the present-day location of the former disposal lagoon and former concrete holding tank.

### **1.2.2 Site Ownership and Operational History (1920-1959)**

From 1920 until 1959, the Stauffer Chemical Company, Inc. (Stauffer) operated a chemical manufacturing plant on the property. The company was listed as a “Mfrs. [manufacturers] Carbon Bi-Sulphide,” although it is possible the company produced other chemicals. Carbon bisulfide (CAS No. 75-15-0), also referred to as carbon disulfide and dithiocarbonic anhydride, is a colorless, flammable, and poisonous liquid with a strong disagreeable chloroform-like odor. It was prepared from preheated hydrocarbons (natural gas) with vaporized sulfur in the presence of a catalyst. One of the most important uses of carbon disulfide was in the production of viscose rayon fibers, which were used to produce rayon filament yarn, rayon tire yarn, rayon stable fibre [fiber] and cellophane film, suggesting that one of the primary buyers of this chemical was the American Viscose Company that occupied the property on the other side of the ConocoPhillips refinery (referred to as the former FMC Corporation site or East Tenth Street site).

The three principal buildings that still exist on-site today were constructed by Stauffer, including the office building, the locker room (which was a separate building but is now connected to the office) and the main reclaiming building, a brick structure with steel I-beam supports, steel trusses, and several brick two-story load-bearing walls (see Photo Metro-Trainer.002 in **Appendix A**). Sanborn maps indicate the main reclaiming building, called the “Oven Building” under Stauffer ownership, was divided up into several subrooms, including several rooms for the storage of raw stock and finished products, a boiler room, and an oven room (see Photos Metro-Trainer.013, Metro-Trainer.016, Metro-Trainer.019, and Metro-Trainer.020 in **Appendix A**). There were also outbuildings that included a waste burner and tanks for chemical storage and a railroad siding that branched around the northern portion of the Oven Building.

It appears that the disposal lagoon was constructed between 1953 and 1959, late in the ownership tenure of the Stauffer Chemical Company, Inc., presumably for the disposal of wastewater and off-spec products. Estimates of the original size of the disposal lagoon vary, but



---

in the historical documentation, the lagoon is often estimated to be 0.5 acres in size. When the partially filled lagoon was observed in 1982, it was approximately 5,000 square feet (or 0.12 acres) in size. Chemical operations at this property under Stauffer ceased in 1959.

### **1.2.3 Site Ownership and Operational History (1963-1988)**

On April 26, 1963, the property was purchased by the Joseph A. Reis Company and converted into a steel drum recycling facility; the company was listed as a “Steel & Fiber Drum Reconditioning & Sales” operation on historical Sanborn maps. These same Sanborn maps indicate the Stauffer “Oven Building” underwent a major alteration with the raw stock storage rooms being converted into paint spraying rooms, the oven room being converted into the drum claiming room, and the finished product room being converted into a storage area for paints. One significant addition to the building was constructed under Joseph A. Reis Company ownership, a shipping room located on the eastern side of the building (see Photos Metro-Trainer.011 and Metro-Trainer.021 in **Appendix A**). It appears that the boiler room in the Oven Building continued to serve this same function (see Photos Metro-Trainer.013 and Metro-Trainer.014 in **Appendix A**). The Sanborn maps from the mid-1960s also show the location of a “pond,” most likely the former disposal lagoon. In the April 22, 1965 and April 8, 1970 aerial photographs, the lagoon appears to be roughly square in size, containing a black liquid, presumably wastewater and sludge from the drum reconditioning operations (**Appendix A**).

Sometime prior to January 1969, the Joseph A. Reis Company filed for bankruptcy, because the Universal Container Corporation (Universal Container) took ownership of the property on January 28, 1969 from a bankruptcy trustee. It is believed that Universal Container continued the drum recycling operations even though the property itself appears to have been conveyed to the Delaware County Industrial Development Authority on December 4, 1970, perhaps facilitated by Universal Container’s need for capital to continue to run the facility, described at this time as being severely deteriorated. On February 15, 1983, the property was conveyed to the First Union Commercial Corporation and then to the Metro Container Corporation (Metro Container), the last in the series of owners who were to conduct drum recycling operation at the site.

At the height of its functional operations under Metro Container, approximately 450,000 to 500,000 drums per year, many filled with hazardous materials, paints, solvents, petroleum products, and other substances, would arrive at the facility and be stored in stacked rows on the western end of the facility just north of the converted drum reclaiming building. The drums would be moved into the building via a conveyor where they were emptied into two different



types of product tanks/vessels and pre-flushed prior to caustic being applied to the exterior to strip off the paint (see Photo Metro-Trainer.89-05 in **Appendix A**). The outside of the drums were then rinsed before two cycles of interior cleaning using caustic and two cycles of hot rinsing was performed. Following the caustic cleaning, two cycles of interior metal stripping was performed using hydrochloric acid (HCl) followed by two cycles of cold rinsing. After phosphatizing, siphoning, drying, de-denting, short blasting, and leak testing were performed, the drums were dried, repainted, baked, and moved to the warehouse before shipment to customers. It's obvious from the description of this process that the amount of rinsate water that was being generated posed the greatest treatment challenge, in addition to the recovered product and sludges from the drum themselves. Storage tanks were distributed throughout the property to support this reclaiming process and included storage of acid, alum, caustic, toluol (toluene), No. 5 Fuel Oil, waste oil, spent caustic, DAF sludge, wastewater, chemicals, and paints.

The contents of the drums and the fluids generated in the drum cleaning process were purportedly treated to remove oil and grease, and then underwent pH adjustment and flocculation through the addition of aluminum sulfate and a polymer. The treated waste water (estimated to be 50,000 gallons per day) was decanted and reused as rinse water in the drum cleaning operations. During each day of operation, about 10% of the reused rinse water was removed and replaced by fresh water to control the build-up of chlorides. This removed wastewater was reportedly discharged to Delaware County Regional Water Quality Control Authority (Delcora) after additional treatment and pH adjustment. Sludge from the wastewater operation was thickened with lime and purportedly removed off-site to the Sumptor Landfill in Sumptor, Michigan, although the current investigation has determined that a great deal of sludge was also buried on-site. The drums were then rinsed, dried, pressure-checked, and repainted and moved to a storage location on the eastern end of the property.

It is surmised that until 1972, the disposal lagoon was used for disposal of either drum contents or wastewater until a rudimentary wastewater treatment was constructed both inside the main drum reclaiming building and between the building and the lagoon. The only remnant of this wastewater treatment system is the concrete holding tank, a 50 feet long, 20 feet wide, and 13 foot deep structure that was used initially as part of the wastewater aeration process, but was subsequently commissioned to hold untreated wastewater and sludges when the site operations began to fail in the 1980s. By 1977, a closed loop system for treating and recycling rinse water was initiated.



It is important to note that a parallel operation was also occurring at the site during the waning days of the operations at the site. A furnace reclamation process, operated under a separate company called Metro Enterprise Container Corporation, began operations in 1985 to handle the market of recycling drums with fully-removable lids (although this new corporation was primarily created to circumvent certain provisions of the union contracts held by Metro Container). Apparently, this furnace treatment process (essentially thermal neutralization) was utilized to remove the exterior paint on the drums and also to prepare the drums for the scrap metal market; it's likely that this furnace reclamation process was the source of all the ash piles in and around the main reclaiming building observed during the subsequent regulatory inspections in the late 1980s.

### **1.3 Regulatory and Environmental History Review (1965-2001)**

The following discussion regarding the environmental impacts and regulatory involvement at the site relate primarily to the drum reclaiming operations conducted at the site under the Joseph A. Reis Company, Universal Container Corporation, and its successor in interest, Metro Container Corporation (Metro Container). For ease of discussion, the site will be referred to herein as Metro Container, even though the site is currently owned by Trainer Industries, LLC.

#### **Pennsylvania Department of Health (PADH) Notice of Violation (June 1965)**

The earliest recorded violation at the former Metro Container site occurred under Joseph A. Reis Company ownership. On June 1, 1965, a telegram was sent to the facility ordering them to cease discharging untreated waste directly into Stony Creek. As the following narrative will indicate, these types of discharges occurred unabated into the early 1970s and even after a primary treatment system was installed after 1972, the facility would be repeatedly charged with violating the restriction on waste discharge to the creek.

#### **PADH Waste Discharge Report and Notice of Violation (April-May 1969)**

On April 3, 1969, the Pennsylvania Department of Health (PADH) filed a Waste Discharge Report regarding the waste lagoon at Universal Container. The PADH noted that Universal Container has cut a trench into the lagoon allowing the accumulated waste to flow directly into Stony Creek. This is the second recorded violation issued to the site, occurring only two months after Universal Container began operations at the site; it is surmised that no wastewater treatment system existed at this time, and thus, illegal discharges into Stony Creek was the common facility practice to discharge excess waste from the lagoon. On April 8, 1969, a



Notice of Violation was issued to Sidney Levy of Universal Container requiring immediate corrective action. Levy replied on April 11, 1969 that the trench would be filled in, but no other details were offered on how excess waste liquids would be handled in the future. On a follow-up inspection on May 16, 1969, PADH noted that only 2 to 3-inches of freeboard existed in the lagoon and that secondary containment was needed around this impoundment.

**PADH Waste Discharge Report, Notice of Violation, and Attempted Legal Action (June-July 1969)**

On June 10, 1969, PADH filed another Waste Discharge Report regarding the waste lagoon at Universal Container. An environmental engineer from the BP Oil Company refinery had reported that the Universal Container lagoon was overflowing and discharging oil into Stony Creek. The PADH noted that the discharge had soaked the ground with oil along Stony Creek via a 8-inch diameter pipe. On July 10, 1969, a Notice of Violation was again issued to Sidney Levy of Universal Container requiring immediate corrective action and questioning why this violation had not been addressed when first identified in the April 8, 1969 NOV. The PADH also stated that they were referring this case to the Office of Legal Counsel because of Universal Container's inaction. Universal Container replied the following day, July 11, 1969, stating that there was a misunderstanding and that they were attempting to rectify the problem. Not satisfied with this response, the PADH referred the case to the Office of Legal Counsel on July 16, 1969. The Office of Legal Counsel rejected the request on July 25, 1969, claiming that legal action was not justified unless the violator repeatedly refused to comply with the PADH NOV's.

**PADH Waste Inspection Report and Universal Container Response (February-March 1970)**

On February 19, 1970, PADH filed another Waste Inspection Report regarding the overflowing waste lagoon at Universal Container. Universal Container replied on March 19, 1970 that these problems were due to a recent expansion of the business. However, Universal Container declined to address the waste releases to the creek by constructing a treatment plant because (i) such a system would be too expensive to install, (ii) the system would be unnecessary if the company had less drums to process in the future, (iii) that the profitability and return on investment of this capital expense did not warrant its installation, (iv) that the expense of installation would jeopardize the employment of the facility's staff, and (v) that the treatment technology was still in an experimental stage. Universal Container did commit to complete a study of the feasibility of a such treatment plant by September 1970.

**PADH Site Inspection Report (August 1970)**



The first mention of the method by which waste was managed at this facility was contained in an August 29, 1970 PADH Site Inspection Report. The PADH noted that both drum waste and water used in reconditioning drums were conveyed to the smaller tanks within a concrete berm (which showed evidence of releases), then to a separator, and then to the disposal lagoon adjacent to Stony Creek, which showed evidence of a large volume overflow discharge to the creek. Additionally, the PADH noted that the entire area behind the plant (interpreted to be the area adjacent to Stony Creek) was covered with oily wastes that had seeped into the ground and there were puddles of waste on the ground surface. From this report, it is evident that almost immediately upon commencing operations in February 1969, Universal Container had the same problems of waste management, releases to the ground surface, and discharges to Stony Creek that would plague its successor company Metro Container throughout their entire period of operation at this facility.

#### **Delaware River Basin Commission (DRBC) Discharger Compliance Inquiry (October 1970)**

On October 13, 1970, the Delaware River Basin Commission (DRBC) filed a report asking the Pennsylvania Sanitary Engineers for a status update on the treatment plant feasibility study conducted by Universal Container; this study had apparently been completed on June 11, 1970 and was submitted to PADH on June 15, 1970. The PADH responded with comments in August 1970.

#### **Issues with Waste Treatment Plant (February-March 1971)**

On February 2, 1971, Universal Container provided the Pennsylvania Department of Environmental Resources (PADER) with an update on the progress of installing a wastewater treatment system. Universal Container was in the process of sending samples of their effluent to the treatment plant vendor to determine if the proposed system could treat the waste effectively. At this same time, the facility completed its hookup to the Borough of Trainer sanitary sewer system and presumably discontinued their use of an on-site septic system. Universal Container also contacted the City of Chester to inquire whether the facility could send its waste effluent to their treatment works on a temporary basis until the on-site treatment facility could be constructed. The City of Chester agreed to this arrangement in a letter dated March 22, 1971.

#### **PADH Waste Inspection Report and Pennsylvania Department of Environmental Resources (PADER) Enforcement and Administrative Order (April-July 1971)**

On April 26, 1971, PADH filed another Waste Inspection Report regarding the overflowing waste lagoon at Universal Container. On May 28, 1971, an Order was issued to Sidney Levy of Universal Container by the PADER Enforcement and Administrative Section



stating that the facility lagoon was not impermeable, contained less than minimum 2-foot freeboard, that its location within the floodplain was unacceptable, nor could it be used to hold petroleum products. Additionally, the letter stated that the facility practice of draining their tank areas via a siphon line to Stony Creek was in violation of the Clean Streams Law and it must be discontinued. In summary, PADER Enforcement and Administrative Section ordered Universal Container to immediately stop the discharges and drain the impoundment. Universal Container replied on June 2, 1971 that technical uncertainties with the treatment plant design had precluded its installation; despite this delay, Universal Container refused to shut down the plant. Also on June 2, 1971, Catania Engineering Associates, Inc., consultant engineers for Universal Container, informed PADER that design of a complete treatment plant, one that would permit direct discharge to the creek, was not feasible and that only a primary treatment system would be designed that would allow for discharge into the public sewer system.

On June 3, 1971, attorneys for the New York corporate office of the Universal Container Corporation sent a letter to PADER expressing concern that they were unaware of the Trainer facility's non-compliance with the regulations of Pennsylvania and that they were immediately instructing that drum division to implement corrective action. They pleaded with PADER to let the facility to continue to operate during the period so that the nearly 100 workers would keep their jobs and Universal Container could keep receiving drums from Atlantic Richfield, Sun Oil, and other petroleum companies.

Sometime in late June or early July, a meeting between Universal Container and PADER attorneys was held. In a summary letter issued by Universal Container on July 12, 1971, the Universal Container attorney stated that the facility's temporary connection with the City of Chester should allow them to stay in operation. Responding to a PADER question about whether the lagoon posed a risk to groundwater through infiltration of wastes, Universal Container responded that the sludge layer at the bottom of the lagoon made it "practically impermeable" thus, preventing vertical migration impacts to the subsurface. No response from PADER has been found in the historical file, thus, it is presumed that they allowed the facility to continue to operate.

#### **PADER Waste Inspection Report (February 1972)**

On February 3, 1972, PADER filed another Waste Inspection Report regarding the overflowing waste lagoon at Universal Container. While acknowledging that Universal Container was sending some of its effluent to the City of Chester (and paying fines for pH exceedences), PADER noted that there was only 8-inches of freeboard in the lagoon and that a



seep from the lagoon was noticeable on the north side of the impoundment. This Waste Inspection Report also mentioned that the lagoon could not be utilized upon completion of the primary treatment system. A site sketch attached to this report outlined how waste was handled prior to the installation of the primary treatment system. Upon discharge from the drum reclaiming building, the effluent passed through a screen box into a settling tanks and then directly into the lagoon. Liquids in the lagoon were then pumped directly into the City of Chester sewer system; it bears noting that prior to this conveyance to the public sewer, the contents of the lagoon were drained directly to Stony Creek, a violation of Clean Streams Law that was noted as early as June 1, 1965 when the site was owned by the Joseph A. Reis Company.

#### **PADER Notice of Violation (April 1972)**

On April 17, 1972, PADER issued a Notice of Violation to Universal Container based on the February 3, 1972 site visit; the NOV cited the facility for having less than the minimum freeboard in the lagoon and for continuing to use an unpermitted discharge into Stony Creek. A few days later, an internal PADER memo noted that landfilling of drums had occurred on the property in the late 1960s, but they believed that this practice was discontinued circa 1969.

#### **PADER Site Inspections (April-May 1972)**

On April 21, 1972, PADER conducted an inspection of the site to check on reports that landfilling of solid waste was still occurring on the property. PADER noted that several hundred old, partially decomposed 55-gallon drums were stockpiled on a portion of the property. Although PADER stated that this storage was in violation of the regulations regarding solid wastes, they also suggested that it was possible that the facility could bury the drums in a shallow trench on the property. Apparently, the facility did comply with PADER's request that a test trench be excavated to gauge the depth to the water table. On May 10, 1972, PADER revisited the site and determined that the water table at the site was too high to permit the landfilling of waste drums. MWH's discovery of buried drums on the property at a depth below the water table would indicate that the facility ignored this directive and proceeded with a systematic burial of discarded drums in the northwestern corner of the property.

#### **PADER Waste Inspection Report (May 1972)**

On May 30, 1972, PADER filed a Waste Inspection Report that noted continual oil seeps from the lagoon, a black substance seeping at the southern end of the property adjacent to the railroad tracks, and an unpermitted discharge of boiler room blowdown. Universal Container responded on June 12, 1972 that they would rectify these issues.

#### **Delcora Letters of Effluent Discharge Violations (1977-1978)**



In what would become a consistent trend over the next ten years, on July 28, 1977, Delcora issued a letter to Universal Container mandating that the facility cease discharging oil and water into their system that exceeded their effluent permit limits. Given what appears to have been repeated violations, Delcora required that Universal Container indemnify Delcora through a bond because of the likelihood that Universal Container's discharges into the system would cause Delcora to exceed its own permit requirements for discharges into the Delaware River. Delcora issued a similar letter on August 15, 1978 for the same type of violations and demanded that Universal Container cease all discharges into their system within 30 days.

#### **PADER Site Inspections (June and September 1980)**

On June 10, 1980, PADER conducted an inspection of the site and noted several significant violations, including the unpermitted and improperly maintained disposal lagoon filled with oily sludges that was situated in close proximity to Stony Creek. PADER also noted that there were several chemical and oil storage tanks that did not have secondary containment. Additionally, PADER commented that the facility had yet to file a Pollution Incident Prevention Plan that the Department had required in a letter seven years earlier (on November 28, 1973) and that the waste material in the disposal lagoon had to be removed and disposed of properly.

On September 5, 1980, PADER conducted a follow-up investigation of the facility and noted in a subsequent September 11, 1980 letter to Universal Container that no action had been taken on the waste material in the disposal lagoon. PADER described the lagoon as a roughly triangular-shaped impoundment on the banks of Stony Creek (an October 30, 1979 aerial photograph indicates that the northern corner of this originally square impoundment had been filled in) that had an unknown thickness of waste material of an unknown chemical composition. They were either told or observed that the lagoon had not been in use for several years. PADER specified that Universal Container develop a plan to characterize the physical composition, chemical identify, and volume of the waste material, provide proposals for its removal, and develop a plan to monitor the contaminated surface water runoff and impacted groundwater conditions surrounding the disposal lagoon. Universal Container committed to retaining a firm to characterize the wastes in the disposal lagoon, but it is not known if this work was ever completed.

#### **PADER Site Inspection (December 1981)**

On December 29, 1981, PADER conducted an inspection of the site and noted no changes had been implemented regarding the unpermitted and improperly maintained disposal lagoon, still filled with oily wastes. They also noted that there were several drums of sludge improperly stored outside of diked areas and that there was poor housekeeping within the drum



reclaiming building, especially liquids and oils that were allowed to drain onto the floor of the building. A professional engineer retained by Universal Container replied to this inspection report (and a notice of violation/abatement order that was issued by PADER on January 22, 1982) on February 2, 1982, commenting that Universal Container was highly offended by the overzealous activities of the Department.

### **Hydrogeological Investigation (1982)**

Based on the September 5, 1980 PADER site investigation and their subsequent request that a hydrogeological investigation of the site be performed, Moorshead-Siddiqui and Associates (MSA) conducted an investigation at the disposal lagoon. MSA reported that soil and artificial materials were being used to fill most of the disposal lagoon at this time period. In September 1981, six monitoring wells were installed surrounding the disposal lagoon, and in several wells, odors described as heavy oil, hydrogen sulfide, and fuel oil were encountered in addition to oily layers on groundwater. The groundwater results from the most heavily-impacted well indicated high BOD, COD, TOC, chloride, sulfate, TDS, phenols, oil and grease, cyanide, several heavy metals, and a pH of 10.3. Based on these results, MSA concluded that the wells in the vicinity of the disposal lagoon were severely contaminated. MSA surmised that the disposal lagoon had been leaking for an undetermined period (allowing waste chemicals to enter the unconsolidated fill surrounding the lagoon) and they expected the groundwater downgradient of the disposal lagoon to be degraded. Despite this, when MSA issued their findings in a summary report in March 1982, they inexplicably concluded that the activities conducted on the property had an insignificant and minimal effect on groundwater quality, would not alter surface water quality in Stony Creek, and that the concentrations of contaminants in the disposal lagoon were diminishing. They also mistakenly believed that the hydraulic gradient and low permeability (described as “virtually impermeable”) would prevent migration into the creek, but they failed to recognize that higher permeability fill materials lay between the creek and the disposal lagoon. As their principal conclusion, MSA did not believe removal of the sludge from the disposal lagoon was warranted.

An internal PADER review of this report, dated October 20, 1982, detailed a comprehensive critique of the shortcomings of the MSA hydrogeological investigation report, particularly their conclusions regarding the environmental impacts at the lagoon. The PADER Hydrogeologist reviewer stated that (i) a complete closure plan for the lagoon needed to be developed, which included removal of all the waste, (ii) a permanent groundwater monitoring program be established, (iii) the wastes in the lagoon were of immediate concern, (iv) that the MSA conclusion that the lagoon leachate was having a insignificant and minimal effect on groundwater was incorrect, (v) that the clay underlying the lagoon was not “virtually



impermeable,” and (vi) the sources of the contamination must be eliminated before groundwater conditions would improve. However, the reviewer did agree with MSA that the groundwater flowing from the site would not alter the surface water quality of Stony Creek because of discharges upstream from the BP Oil Company Marcus Hook refinery. Despite many of the sound recommendations in this review, when PADER issued an official response letter to Universal Container on December 16, 1982, the only mandated requirement was that the facility establish a groundwater monitoring program. Thus, the opportunity to remove the wastes in the former disposal lagoon was missed, and eventually the entire disposal lagoon location would be filled in without having any of the waste materials removed.

#### **PADER Rejection of Furnace Reclamation System Application (September 1983)**

On September 16, 1983, PADER issued a letter to Universal Container commenting on their proposed groundwater monitoring plan; it is not known if Universal Container commenced sampling in compliance with PADER comments, but it is assured that the groundwater recovery action that was discussed was never implemented.

#### **PADER Rejection of Furnace Reclamation System Application (April 1984)**

On April 18, 1984, PADER issued a letter rejecting the facility’s application to build a furnace reclamation system to burn off the exterior coating material on 55-gallon drums. PADER commented that the facility had not provided any estimate on emissions, specified what material would be burned, or provided a schematic of the process. This system would eventually be constructed and in operation by 1985.

#### **PADER Notice of Violation (September 1985)**

On September 12, 1985, PADER issued a Notice of Violation to Metro Container based on the August 28, 1985 site visit to check on a complaint by Trainer Borough that demolition waste was being dumped and buried along Stony Creek (see Photo Metro-Trainer.89-28 in **Appendix A**). A historical aerial photograph from March 6, 1985 clearly indicates that Metro Container was filling the entire low-lying floodplain of Stony Creek in the northwestern corner of the site and MWH’s Test-Trench-01 excavation in this vicinity confirmed that the facility buried demolition debris, flyash, and crushed 55-gallon drums and drum lids (see Photos Metro-Trainer.051 through Metro-Trainer.058 in **Appendix A**). PADER cited several violations, including stream encroachment and the lack of a permit to perform the filling. Metro Container was ordered to cease the dumping, remove the fill, and regrade and revegetate the area.

#### **PADER Site Inspection (October 1985)**

On October 7, 1985, PADER conducted an inspection of the site to check on reports that demolition waste was being disposed in close proximity to Stony Creek. Upon confirming that



this unpermitted filling was occurring, PADER ordered the facility to remove the material within 50 feet of the creek and regrade this area. PADER also told the facility that the flyash they had obtained from the Delcora could not be used a fill material. However, MWH's discovery of fly ash material overlying buried drums on the property would indicate that the facility ignored this directive (see Photo Metro-Trainer.058 in **Appendix A**). Additionally, MWH's inspection of the Stony Creek embankment also indicated that the demolition debris was not removed within the vicinity of the creek per PADER's September 12, 1985 order or PADER's subsequent September 29, 1986 letter objecting to the lack of documentation of how the filling affected the creek flood plain (see Photo Metro-Trainer.050 in **Appendix A**). Although no map was available in the historical files showing this area of filling, MWH's 2005 Site Characterization investigation suggests that the area that was filled was the same location where the buried drums were recognized in the EM-61 survey in the vicinity of MWH's Test Trench-01 (see **Appendix B**).

#### **PADER Site Inspection (February 1986)**

On February 18, 1986, PADER conducted an inspection of the site to check on a Coast Guard Notice of Federal Interest in a Pollution Incident Report that a release had occurred from the Metro Container property. PADER traced the release back to the concrete holding tank located in close proximity to Stony Creek, just north of the former disposal lagoon (see Photo Metro-Trainer.89-08 in **Appendix A**). The purpose of the holding tank at this time was to hold process water, consisting primarily of rinsate from the caustic and muratic acid baths, when the treatment plant was too full to handle the excess amount of water. The tank, approximately 13 feet deep and extending four foot above the ground surface, contained 8 to 9 feet of sludge overlain by water with a pH of 13 at the time of the inspection. The top portion of the tank had failed and combined with several heavy rain events, the liquids overtopped the earthen secondary containment and flowed into Stony Creek.

PADER's description of a second release from the site on February 18, 1986, a red material observed flowing out of the ground and into Stony Creek, provides rare insight into the workings of the drum reclaiming operations. The source of this material was traced back to the first stage of the cleaning process in the drum reclaiming building. It was reported that approximately 80% of the drums received at the facility contained a petroleum product; the other 20% contained chemicals and other products. The drums containing these two classes of waste were dumped into two separate tanks inside the drum reclaiming building. PADER noted that the non-petroleum tank had become so full that after dumping the contents of additional drums into it, the tank overflowed onto the floor and into a floor drain that was apparently connected to storm water piping that discharged directly to Stony Creek. It's possible that the channels visible



today in the concrete floor of the drum reclaiming building were part of this floor drainage system (see Photos Metro-Trainer.040, Metro-Trainer.041, and Metro-Trainer.042 in **Appendix A**)

While on-site investigating these two release incidents, PADER commented on other problems with the facility operations. PADER noted that there were several areas where the ground was discolored and where oil had accumulated. They also reported on the presence of a unpermitted discharge pipe into Stony Creek that conveyed not only storm water but also cooling water from a compressor and water from the pressurized drum check area.

#### **PADER Notice of Violation (April 1986)**

On April 1, 1986, PADER issued a Notice of Violation to Metro Container based on the March 20, 1986 site visit. PADER cited several violations, including the lack of a secondary containment structure for the concrete holding tank, less than minimum required freeboard for this uncovered tank, locations throughout the property where spills had occurred and where material was leaking from unprocessed drums, the lack of a Preparedness, Prevention, and Contingency (PPC) Plan, and very poor housekeeping. Metro Container was given 14 days to provide PADER with a program and schedule to abate these violations.

#### **PADER Site Inspection (May 1986)**

On May 21, 1986, PADER conducted an inspection of the site and they noted a black substance was discharging into Stony Creek at the same point where the alkyl substituted aromatics, alkanes and olefins had discharged on February 18, 1986, and this confirmed that floor drains in the drum reclaiming building were directly connected to the storm water drainage system. PADER concluded their report by noting that housekeeping at the site was very poor, that there had been numerous spills on the property, and that many of the drums yet to be reclaimed were leaking waste onto the ground.

#### **PADER Potential Hazardous Waste Site: Preliminary Assessment (1986)**

PADER completed a Potential Hazardous Waste Site Preliminary Assessment of the Metro Container property on May 30, 1986, essentially a summary of the February 1986 site inspection. PADER reported that there was a storm water discharge pipe that emptied into Stony Creek that also served as a pathway for contamination to be discharged directly into this surface water body (because of its interconnection with the drum reclaiming building). PADER noted that not only was compressor blowdown water and drum pressure check water being discharged into the storm water system, the February 18, 1986 discharge of the “red material” (determined through laboratory tests to be alkyl substituted aromatics, alkanes and olefins) from an overflowing tank had entered into the storm system via a floor drain in the drum reclaiming



building. Additionally, PADER noted there were several areas along Stony Creek where unknown substances were leaking and that the top section of the concrete holding tank had failed and dispersed several hundred gallons of unprocessed waste onto the ground, which then flowed into Stony Creek.

#### **PADER Site Inspection (June 1986)**

A follow-up site inspection on June 19, 1986 by PADER indicated that although a secondary containment berm had been built around the concrete holding tank, it was not impervious; secondly, the freeboard of the holding tank was still less than the required minimum 2-feet. PADER noted that there had been no improvement in the cleanup of the numerous discharges around the property, leaking drums, sludge deposits, and contaminated soils were still present, and that the facility was still without a PPC Plan.

#### **PADER Site Inspection (September 1986)**

On September 26, 1986, PADER conducted an inspection of the site and they noted the same, unresolved violations listed in their May and June 1986 site inspection reports, including that the secondary containment of the concrete holding tank was not impervious, the freeboard of the holding tank was still less than the required minimum, there had been no cleanup of the numerous discharges around the property, leaking drums, sludge deposits, and contaminated soils were still present, poor housekeeping was still an issue, and the facility still lacked a PPC Plan.

#### **PADER Notice of Violation (January 1987)**

On January 20, 1987, PADER issued a Notice of Violation to Metro Container based on a site visit on January 14, 1987, in which PADEP collected three soil samples from the “rear of the facility”, presumably near Stony Creek. PADER noted serious violations, including that the facility wastewater treatment system was continually overflowing onto the ground and that no effort had been made to abate the situation. Additionally, the illegal discharge into Stony Creek had not been stopped. Metro Container was given 14 days to provide PADER with a program and schedule to abate these violations.

#### **Drum Reclaiming Building Fire (January 1987)**

On the evening of January 29, 1987, a three-alarm fire tore through a portion of the drum reclaiming building after a worker accidentally dropped a torch into a paint bucket. The Trainer Fire Chief noted that the fire fighters efforts were hindered by the heavy smoke in the building and by the paint drums that were exploding. The heat of the blaze was so intense that the metal roof of the building buckled from the heat and the roof over a portion of the south side of the building that housed the “open top” reclaiming operations was completely lost (see Photos



---

Metro-Trainer.008, Metro-Trainer.009, and Metro-Trainer.010 in **Appendix A**). It took 100 firefighters from eight different companies to control the fire.

#### **PADER Site Inspection (February 1987)**

On February 17, 1987, PADER conducted an inspection of the site and they noted the same, unresolved violations listed in their May, June, and September 1986 site inspection reports. Additionally, PADER noted that the concrete holding tank had overflowed again and that none of the releases from this tank that were noted in the September 1986 site inspection had been cleaned up. Furthermore, other areas associated with the treatment plant had overflowed onto the ground surface and no effort had been made to address these releases either. PADER also noted again what they termed the “illegal” discharge into Stony Creek.

#### **PADER Notice of Violation (February 1987)**

On February 20, 1987, PADER issued a Notice of Violation to Metro Container based on the aforementioned site visit on February 17, 1987, reiterating the same violations noted in previous NOVs. Metro Container was given 14 days to provide PADER with a program and schedule to abate these violations.

#### **PADER Waste Determination Letter (March 1987)**

On March 12, 1987, PADER issued a letter to Metro Container requiring the facility to provide hazardous waste determinations on each of their process waste streams, including wastewater treatment sludges, wastewater treatment effluent, caustic waste from interior and exterior cleaning and stripping, acid waste from metal stripping, shot blast waste, paint booth waste, drum pre-flushing area waste, incinerator sludge, and incinerator ash.

#### **Delcora Suspension of Metro Container Discharge Permit and Right to Discharge (March 1987)**

On March 18, 1987, Delcora issued a letter to Metro Container suspending their discharge permit and right to discharge into the treatment works. Delcora cited numerous violations dating back to October 1985, including sending effluent with extreme pH (e.g., 1.5; 12.6; 13.3) and high concentrations of oil and grease. Delcora planned to discuss these issues further with Metro Container at a preliminary administrative hearing in April. The history of Delcora locking out Metro Container from discharging into their system correlates well with the record of illegal discharges to Stony Creek and the storage of wastewater in the former concrete holding tank, tank containment areas, and in 55-gallon drums. This action would result in an Administrative Hearing on December 17, 1987 against Metro Container brought by Delcora in the Borough of Trainer.



---

**PADER Clean Streams Law Violation Letter (March 1987)**

On March 19, 1987, PADER issued a letter to Metro Container confirming the results of their December 11, 1986 inspection that unpermitted discharges of process water from the drum leak testing unit was entering the storm sewer system. This discharge was stated to be in violation of the Clean Streams Law; additionally, it was noted that Metro Container failed to remove spilled chemical residues from the ground surface. Metro Container was given until March 27, 1987 to correct these violations, which they did not comply with.

**PADER Site Inspection (May 1987)**

On May 19, 1987, PADER conducted an inspection of the site and they noted the same, unresolved violations listed in their May, June, and September 1986 and February 1987 site inspection reports. Additionally, PADER noted that the concrete holding tank had continued to overflow and that none of the releases from this tank that were noted in September 1986 site inspection had been cleaned up. Furthermore, other areas associated with the treatment plant had overflowed repeatedly onto the ground surface and no effort had been made to address these releases, which now had accumulated up to one foot in thickness in places. PADER also noted again what they termed the “illegal” discharge into Stony Creek, and that they had yet to receive waste characterization data from Metro Container of the various waste streams that the facility was processing.

**PADER Site Inspection (August 1987)**

On August 18, 1987, PADER conducted another inspection of the site and they noted the same, unresolved violations listed in all their previous site inspection reports dating back to May 1986, including that housekeeping was now non-existent. In addition to the concrete holding tank and primary wastewater treatment plant operations continually overflowing, PADER also noted a new blue, 12-inch diameter pipe discharging an aqueous liquid at approximately 5 gallons per minute (gpm) into Stony Creek; supposedly a storm water runoff pipe, PADER noted that no precipitation had occurred in the previous days. Additionally, PADER reported that the disposal of hazardous wastes was occurring without a permit and paint filters were being burned in the incinerator.

**PADER Site Inspection (November 1987)**

On November 6, 1987, PADER conducted another inspection of the site and they noted the same, unresolved violations listed in all their previous site inspection reports dating back to May 1986. PADER noted that Metro Container had made no attempt to rectify any of the violations cited in PADER site inspection reports.



---

**PADER Notice of Violation (November 1987)**

On November 13, 1987, PADER issued a Notice of Violation to Metro Container based on the aforementioned site visit on November 6, 1987, reiterating the same violations noted in the previous NOVs. The same gross spillage of wastewater and treatment process sludges onto the ground were noted as was the lack of any attempt by Metro Container to clean up the releases or prevent new releases from occurring. PADER also noted that these releases had caused soil and groundwater contamination on the property. Metro Container was given 14 days to provide PADER with a program and schedule to abate these violations.

**Trainer Borough Public Action - U.S. Representative Letter (November 1987)**

Historical documentation indicates that the residents of Trainer, frustrated by the lack of enforcement action by PADER, contacted their U.S. Representative Richard T. Schulze in a letter dated November 18, 1987 in an attempt to get another regulatory agency to take enforcement action against Metro Container to address the numerous pollution violations. This letter details the presence of hundreds of rusty, leaking drums, the risks to the nearby residents and Stony Creek, the unsecured nature of the site, PADER's opinion that the site was one of the worst that the Department had ever observed, but also that PADER could do no more than add the site to the long list of property awaiting action. As a result of this appeal, Rep. Schulze sent a letter to the USEPA Regional Administrator for Region III on November 20, 1987 requesting that the site be given a priority status. As a result of this political pressure, the USEPA Region III regional administrator responded to Rep. Schulze in early December 1987 that the USEPA would visit the site to assess the conditions of the facility and to determine what action was warranted.

**United States Environmental Protection Agency (USEPA)-Weston Spill Prevention & Emergency Response Division (SPER) Site Inspection (December 1987)**

In December 1987, Roy F. Weston, Inc. (Weston) Spill Prevention & Emergency Response Division (SPER) were retained by USEPA to assist in their assessment of the Metro Container site to determine if environmental threats existed on the property. Weston's Technical Assistance Team (TAT) for Emergency Response Removal and Prevention accompanied USEPA Enforcement personnel during their visual site inspection of the site on December 11, 1987; this was the inspection that determined the numerous leaking drums across the property posed a potentially hazardous situation.

USEPA were the first to note that approximately 60,000 unreclaimed drums were present at the facility and that the facility's sludge treatment system became inoperable around May-June 1987. This treatment shutdown had resulted in a build-up of untreated sludge, which was currently being stored in the concrete holding tank and in thousands of unsecured drums



throughout the facility (see Photos Metro-Trainer.89-04, Metro-Trainer.89-05, Metro-Trainer.89-08, Metro-Trainer.89-11, Metro-Trainer.89-12, and Metro-Trainer.89-13, Metro-Trainer.89-14, and Metro-Trainer.89-17 in **Appendix A**). It was also noted that the site was not completely fenced and that the drum reclaiming operations had been scaled back in early November 1987 because Metro Container could no longer continue full-scale operations. Metro Container filed for bankruptcy on December 7, 1987 although Sidney Levy (President) and Lewis Maslow (CEO) of Metro Container believed that if they could secure a loan to acquire a new sludge filtration system, they would restart reclaiming operations in January 1988. However, their bankers had notified them on November 5, 1987 that not only would they not receive additional loans, they had been defaulting on previous loan payments since August 1987. Additionally, because of repeated violations of effluent concentrations limitations on contaminants, oil content, and pH, and the results of the Administrative Hearing on December 17, 1987 against Metro Container brought by Delcora in the Borough of Trainer, on December 23, 1987, Metro Container's industrial connection to Delcora was permanently closed, thus terminating the flow of rinsate effluent to that facility, effectively disabling the facility's entire wastewater operations.

USEPA's on-site inspection in December 1987 indicated that sludge waste material was stored in the cement holding tank (estimated to have a capacity of 160,000 gallons) and in approximately 2,000 unsecured 55-gallon drums (approximately 110,000 gallons). Many of these drums were in poor condition and apparently had not been emptied of their original contents prior to being topped off with sludge material. Many of the drums were uncovered or only partially covered and had overflowed during rain events because the ground surface surrounding the drums was covered with a considerable amount of sludge material (see Photos Metro-Trainer.89-14 and Metro-Trainer.89-17 in **Appendix A**). In addition to the drums, approximately 10-15 trailers were present on-site that contained empty drums. Weston TAT collected seven samples, primarily of the incinerator ash, sludge material from the concrete holding tank, and waste material from numerous 55-gallon drums. The limited analytical results indicate high concentrations of ethylbenzene, toluene, chlorinated hydrocarbons, base neutrals, phenol, and lead, the very same constituents that MWH would find in the subsurface in the 2005 Site Characterization investigation.

#### **USEPA Resource Conservation Recovery Act (RCRA)-Compliance Sampling (January 1988)**

Records indicate that USEPA Region III performed a Resource Conservation Recovery Act (RCRA)-compliance sampling inspection on January 20, 1988 and collected additional samples from many of the same locations sampled by Weston TAT on December 11, 1987. This



sampling was conducted because Metro Container had never performed the required hazardous waste determinations [characterizations] of the wastes generated by their waste treatment operations. RCRA samples were collected from an ash pile, liquid/sludge in a containment area, liquid from the Stony Creek discharge pipe, sludge from a small lagoon, sludge from leaking 55-gallon drums, sludge from an uncovered drum, and several Stony Creek surface water samples.

#### **Trainer Borough Public Action Meeting (January 1988)**

On January 20, 1988, PADER attended a meeting with elected representatives of Trainer, Marcus Hook, and the Lower Chichester Township. During the meeting, the representatives vented their frustration at the lack of PADER response regarding resident complaints about the solid waste practices at the facility and the lack of PADER follow-up when NOV's were issued to the Metro Container management. The representatives also questioned why PADER was not mandating corrective action of these known violations, particularly the dumping of drum contents onto the ground surface and the unpermitted discharges to Stony Creek. In an internal memo issued in the days following this contentious meeting, PADER decided to look into the matter.

#### **U.S. Coast Guard Pollution Incident Report (February 1988)**

On February 12, 1988, the U.S. Coast Guard responded to a spill report after BP Oil Company personnel reported an oily discharge from Metro Container's PVC pipe (see Photos Metro-Trainer.033 and Metro-Trainer.034 in **Appendix A**). The Coast Guard traced the release back to the Metro Container facility, where an oily substance was running off the facility and into Stony Creek (and ultimately the Delaware River). Metro Container claimed they were unaware of the release and unaware of the requirement to report such releases to the National Response Center. Based on this Coast Guard Notice of Federal Interest in a Pollution Incident Report, PADER apparently contacted Metro Container to compel them to take corrective action to address the release. Metro Container responded by notifying the PADEP that they were going to line the banks of Stony Creek with bales of hay to impede further releases to the creek, but nothing was mentioned about preventing further discharges from the pipe.

#### **USEPA-Weston SPER Site Inspections and Waste Characterization Sampling (February 1988)**

On February 19, 1998, USEPA requested that Weston TAT return to Metro Container to sample the off-site migration pathways, undoubtedly triggered by the February 12, 1988 oily substance release into Stony Creek. The USEPA and Weston TAT conducted another site reconnaissance, this time focused on the banks of Stony Creek. They observed that contaminated runoff had occurred into Stony Creek at numerous locations although the debris that had been pushed over the bank made it impossible to deduce the origin of the runoff. A painted green PVC



pipe (still present today; see Photos Metro-Trainer.033, Metro-Trainer.034, and Metro-Trainer.048 in **Appendix A**) was observed discharging a clear liquid into the creek and the USEPA was told by Metro Container that this was a permitted stormwater outfall. Two other areas near the southern border of the facility were discharging a white material into the creek that floated on the water and adhered to plants and debris. There were also several areas near the green PVC pipe discharge point that were emitting a red-orange material and creating sheens when disturbed (see Photo Metro-Trainer.035 in **Appendix A**). Several partially buried drums were also noted along the stream bank. Weston TAT collected four samples from these discharge points; the analytical results indicated high concentrations of lead, chromium, and zinc along with phenols.

#### **PADER Notice of Violation (March 1988)**

On March 11, 1988, PADER issued a follow-up Notice of Violation to Metro Container based on a site inspection on March 3, 1988. As previously discussed above, PADER had issued earlier NOV's on September 12, 1985, April 1, 1986, January 20, 1987, February 20, 1987, and November 13, 1987, but numerous site inspections conducted since 1980 revealed that no effort had been made by either Universal Container or Metro Container to address the overflowing tanks, illegal waste discharges to Stony Creek, or the unpermitted disposal of hazardous waste. In the March 11, 1988 NOV, PADER cited several violations, including the lack of solid waste characterization, neglecting to report releases, failing to supply the Department with hazardous waste determinations of all the waste streams, not controlling leachate, runoff, or discharges of the waste, and not operating or maintaining the facility in a manner that would prevent adverse effects to the public health, safety, or environment. PADER noted gross spillage of wastewater and treatment process residues directly onto the ground surface and that these conditions had existed since the PADER inspection on May 21, 1986 (if not earlier) and that Metro Container had made no attempt to clean up these spills or prevent new releases from occurring. By March 29, 1988, PADER had documented in an internal memo that waste generated from Metro Container's operation was stored on-site in drums, in a surface impoundment (the concrete holding tank) and that a considerable quantity of waste was present on the ground surface because of sloppy housekeeping, the same conditions that USEPA had noted in December 1987.

#### **PADER Notice of Violation (April 1988)**

On April 5, 1988, PADER issued another Notice of Violation to Metro Container based on a site visit on March 28, 1988, this time for air pollution violations, particularly that the emissions from the pellet blast baghouse had a visible emission of 60% opacity.

#### **The Search of Potentially Responsible Parties (April-June 1988)**



---

Historical documentation indicates that in the first half of 1988, the USEPA began a diligent and exhaustive search to track down potential responsible parties (PRPs) that were the source of the thousands of 55-gallon drums present at the facility. Nearly all of the over 670 companies that were identified as contributing drums to Metro Container responded by either attempting to document that Metro Container only accepted their clean, empty drums or drums that contained a minimum amount of waste residue, or that they only purchased clean recycled drums from Metro Container. Nevertheless, five companies were culled from this list as contributing the vast majority of drums to the site; these companies were BP America, Inc., Arco Chemical Company, Mobil Corporation, Sun Refining and Marketing Company, and E.I. du Pont de Nemours & Company (it is not known why Chevron Corporation was listed on the June 2, 1989 Administrative Order on Consent instead of Arco Chemical Company). A rough accounting of the numbers of drums that these five companies sent to Metro Container between 1985 and 1987 totals over 360,000 drums. The Administrative Order on Consent (Consent Order) that was ultimately executed for this site only names these five companies as Responsible Parties.

#### **PADER Notice of Violation (July 1988)**

On July 11, 1988, PADER issued another Notice of Violation to Metro Container based on a site visit on June 27, 1988. The PADER noted the same violations that were cited in the March 11, 1988 NOV in addition to their observation that incinerator residues were now accumulating on the floor of the drum reclaiming building.

#### **Federal On-Scene Coordinator's Report (September 19, 1988 through June 2, 1989)**

Triggered by the notification on February 12, 1988 by the U.S. Coast Guard of a surface water release to Stony Creek and the Delaware River (described above under the USEPA-Weston SPER Site Inspections and Waste Characterization Sampling (1988) summary) and the failure of Metro Container management to address the problems at the site, USEPA requested CERCLA funds to control the off-site migration of contamination and to erect a security fence around the facility. At the same time, because of severe federal budgetary constraints that caused a delay in CERCLA fund approval, USEPA began negotiations with the PRPs who regularly sent drums to the facility, via a "Steering Committee" composed of representatives of these companies. The USEPA had hoped that by September 19, 1988, the PRP Steering Committee would have signed the Consent Order assuming their cleanup responsibility, so the USEPA delayed implementation of site stabilization activities that would be funded solely by CERCLA. However, because of many unresolved enforcement issues, the PRP Steering Committee did not sign the agreement, and the USEPA informed its contractors to begin the planned site stabilization activities, which commenced on September 20, 1988. The USEPA's Emergency



---

Response Team Federal On-Scene Coordinator's Report describes the CERCLA actions that were performed between September 19, 1988 through June 2, 1989, which was the date when PRP takeover of the former Metro Container site was finally formalized.

*Site Stabilization Activities (September 1988-Spring 1989)*

Upon activation of CERCLA removal funds on September 19, 1988, several concurrent activities began at the Metro Container site. A security fence was installed around the entire property by September 29, 1988 to limit public contact with the on-site materials. Weston TAT was tasked to conduct an engineering evaluations for surface water migration control along the low-lying areas adjacent to Stony Creek. Weston TAT noted that most of drums on-site were observed to be leaking and overflowing, and given the minimum estimate that 300,000 gallons of waste were contained in these drums, a plywood retaining wall three feet high and 280 feet long was proposed. Weston TAT did not consider this to be a remedial measure nor did could they estimate how long this wooden retaining wall would keep material from migrating off-site.

Following USEPA approval of Weston TAT's proposal, construction of a 300-foot long retaining wall made of plywood commenced on October 6, 1988 to serve a barrier to waste material migration to Stony Creek in the event of a catastrophic release from the "lagoon or its secondary containment." It bears noting that the historical regulatory documentation often refers to the concrete holding tank as a "lagoon" so when "secondary containment" is mentioned, it is referring to the approximate 30,000 gallon capacity secondary containment around the concrete holding tank, not the original disposal lagoon at the site. No scaled drawing or map of the plywood wall's location is known to exist, but the description in the historical regulatory documentation suggests it was essentially a short wooden wall that was built downslope of the drum piles and concrete holding tank along the embankment of Stony Creek (see Photo Metro-Trainer.89-08 in **Appendix A**).

During this time period, USEPA established a temporary presence on the site between September and November 1, 1988 to (i) manage stabilization activities, (ii) supervise sampling of the waste materials present on-site, (iii) prevent further deliveries of waste from various haulers or unauthorized refuse dumping, (iv) prevent the owners of Metro Container from removing equipment without authorization, (v) handle unanticipated discoveries, including finding buried drums in the trench that was excavated for the plywood wall installation and locating small tanks underneath the floor of the drum



reclaiming building, (vi) relocate drums that were displaced during heavy precipitation events, and (vii) to collect sludge waste samples for use in selecting a disposal company to handle the waste. During this time, the discovery of drums that appeared to contain picric acid (2,4,6-trinitrophenol), a highly unstable and flammable compound, compelled USEPA to post a 24-hour guard.

A serious erosion problem was observed along the plywood wall almost immediately after its installation was complete in mid-October 1988; numerous attempts to pack clay at the base of the wall was hindered by the large volume of rainfall that eroded away this material. The wall began to buckle about a month after its installation and an increasing volume of seepage at the base of the wall was observed, further exasperating the collapse of the clay that supported the wall. Concurrently, several heavy rain events caused the liquid levels in the concrete holding tank and its secondary containment to reach critically high levels.

During December 1988, the plywood wall was reconstructed by retrenching and emplacing a 3-foot deep, 4-foot wide foundation of compacted clay at the base of the wall. Additionally, an underflow piping system (two 6-inch diameter valved pipes; perhaps the pipe shown in Photo Metro-Trainer.038 in **Appendix A**) were installed at the base of the wall to allow accumulated rainwater to be drained into Stony Creek. At the same time, the concrete holding tank secondary containment, and newly discovered sumps surrounding this tank, were evacuated of free liquids, which were disposed of properly off-site. Numerous subsequent efforts to pump off excess liquids from the concrete holding tank resulted in a total of 136,700 gallons of oil-contaminated water to be evacuated by the Spring of 1989. Over this same time period, periodic repairs to the retaining wall were conducted; however, the release of accumulated rainwater behind the wall into Stony Creek using the 6-inch diameter relieving pipes was ultimately halted when persistent sheens on the water necessitated its off-site disposal.

*Additional Site Assessment Activities (September 1988-October 1988)*

Additional site assessments were conducted by Weston TAT between September 28-October 10, 1988. Samples were collected from drums, the concrete holding tank, and from ash piles; the results confirmed the earlier sampling conducted in December 1987 and February 1988 that there was organic and metal contamination present on-site. It is important to note; however, that this sampling was primarily of waste material and not *in-situ* soil and groundwater that had been impacted by the release of these wastes over the last several decades. Weston TAT commented at this time that the plywood retaining



wall was in place to prevent a catastrophic release to Stony Creek, but it was only designed to last a minimum of two years. Weston TAT also had conducted a magnetics survey over a small portion of the site northwest of the office building, and they concluded that no buried drums would be present in the surveyed area. It bears noting; however, that this survey was conducted some distance from the sludge drum storage areas and the concrete holding tank/disposal lagoon locations (probably because they were physically inaccessible in this time period) and that no confirmation excavations were conducted of the anomalies that were identified. Weston TAT came to the conclusion that because the site was now secure and the plywood wall was in place to prevent surface water runoff to Stony Creek, the site no longer posed an emergency situation and that PADER should handle any further actions. The conclusions also convinced USEPA to limit their response actions to maintaining the retaining wall for the time being while continuing their negotiations with the PRPs.

*USEPA-Weston SPER Assessment of Lagoon Remediation (January 1989)*

In January 1989, Weston TAT evaluated numerous options for the stabilization and/or remediation of the on-site “lagoon,” again referring to the concrete holding tank. At this time, the concrete holding tank was estimated to have contained approximately 180,000 gallons of water and sludge; the secondary containment surrounding this tank contained material, including sludge, estimated to be 25,000 gallons in volume (the sludge waste was described as originating from the petroleum and paint industries). During this time period, the waste in the concrete holding tank consisted of three layers, an oily layer of debris, a water phase, and an underlying heavy oil sludge layer. In anticipation of dealing with the imminent threat of an overflowing concrete holding tank during the next precipitation event, Weston TAT researched various disposal options for the material contained in the concrete holding tank. Most of these disposal options involved the physical removal of the sludges from the concrete holding tank. Weston TAT recommended implementation of a remedy as soon as possible because they reported that the site stabilization efforts that were undertaken in September 1988 had already eroded considerably (referring to the plywood wall). However, by this time, the PRPs had proposed taking over responsibility for the site, causing a delay in the implementation of concrete holding tank remedy by USEPA.

*PRP Action 1: Removal and Sale of Drum Reclaiming Equipment (March 1989)*

The first action taken by the PRP Steering Committee was to strip the drum reclaiming building of equipment and sell it to raise money as part of the foreclosure agreement with the bank holding the mortgage on the property. This was completed in March 1989, but



was marred by suspicions of drum dumping which caused the USEPA to re-post a security guard at the site.

*PRP Action 2: Development and Review of PRP Cleanup Workplan (February-May 1989)*

In February 1989, Weston TAT reviewed the PRP cleanup workplan and commented that although it included a work scope to scrape off surficial contamination at the site, it did nothing to address sediment or subsurface soil and groundwater contamination. The PRP Committee argued that because Stony Creek was probably impacted from other sources other than Metro Container, that they should not be obligated to remediate the contamination that the site had caused. With regards to the surficial soil contamination, the PRP plan only proposed removing shallow, visibly impacted soil, but leaving in place impacted soils found at depth throughout the site; additionally, the PRPs did not want this surficial soil cleanup to be guided or governed by quantifiable concentration levels but rather on the basis of visible appearance only. There were also deficiencies in the workplan related to a lack of a deadline, the exclusion of the parcel of land located east of Price Street, the absence of a scope of work schedule, or a plan to systematically address the imminent hazards at the site nor did the PRP plan address draining the pipelines that conveyed fluids away from the drum reclaiming building.

A revised PRP scope of work was submitted to the USEPA by May 22, 1989, which now included the Metro Container parcel on the east side of Price Street, which the PRPs referred to as the AMF parcel. Although the revised PRP workplan now included the disposal of all on-site wastes, the disposal of all 55-gallon drums containing waste, decommissioning of the on-site concrete holding tank and other storage tanks, and the surface scraping of contaminated soil (and subsequent regrading), it still did not address remediation of sediment or subsurface soil and groundwater contamination. The USEPA commented internally that the soil cleanup should be based on post-excavation sampling results and that the agency should push for a complete remediation of soils. Either because the USEPA did not express these concerns to the PRPs (considered unlikely) or the PRPs refused to agree to this more comprehensive remediation, soil remediation was never added to the revised PRP workplan that was ultimately approved after the Consent Order between USEPA and the PRP (now referred to as the Responsible Party or RP) Steering Committee was signed on June 2, 1989.

**NUS Corporation Target Population Study (January 1989)**



NUS Corporation conducted a Target Population Study in January 1989 on behalf of USEPA to determine the uses of groundwater and surface water bodies that received drainage from the Metro Container site. The study attempted to identify public water supply systems and private drinking water well locations within a three-mile radius of the site; also included in this brief study was a cursory assessment of the geology and hydrogeology of the area. Although the study identified nearly 300 people in New Jersey within a three-mile radius of the site that utilized private wells, these water users were not taken into account because NUS could not locate geological information from the New Jersey area; as such, NUS decided not to consider them part of the target population. Two homes in Pennsylvania with private wells were located within the three-mile radius, but NUS deemed them to be geologically excluded from the site aquifer of concern based solely in topography. Four surface water users on the Delaware River were identified, including Scott Paper Company, BP Oil (now the ConocoPhillips Trainer Refinery), Sun Oil Marcus Hook, and General Chemical.

#### **NUS Corporation Non-Sampling Site Reconnaissance Summary Report (January 1989)**

On January 23, 1989, NUS Corporation conducted a site reconnaissance of the Metro Container site and identified the following areas of concern:

- Approximately 15,000 drums were present on-site, including 5,000 empty drums randomly stacked in the northeastern portion of the property, approximately 7,000 empty or partially empty drums located on the western portion of the property, approximately 100 drums located inside the drum reclaiming building, and approximately 1,500 uncovered, deteriorated, and leaking drums containing an oily sludge by-product of the drum reclaiming process located between the concrete holding tank and the disposal lagoon (see Photos Metro-Trainer.89-02, Metro-Trainer.89-03, Metro-Trainer.89-04, Metro-Trainer.89-05, Metro-Trainer.89-11, Metro-Trainer.89-12, Metro-Trainer.89-13, and Metro-Trainer.89-17 in **Appendix A**)
- A 1,000 ft<sup>2</sup> concrete holding tank filled with sludge and an associated secondary containment area filled with an orange, oily liquid (see Photos Metro-Trainer.89-08, Metro-Trainer.89-09, and Metro-Trainer.89-11 in **Appendix A**);
- Another wastewater disposal lagoon [surmised by the author to be the Acid Tank Farm secondary containment area] approximately 900 ft<sup>2</sup> in size, filled with a red, oily sludge, which had overflowed its containment (see Photo Metro-Trainer.89-22 in **Appendix A**);
- A rusted incinerator containing a substantial volume of ash located east of the lagoon;
- A badly rusted drum reclaiming building interior, with dilapidated equipment (see Photo Metro-Trainer.89-26 in **Appendix A**);
- The water in Stony Creek was blue in color and surrounded in some areas with orange colored sediment (see Photo Metro-Trainer.89-30 in **Appendix A**); and,
- Only three of the original monitoring wells installed in 1981 could be located.



---

**MK Environmental Site Removal Action Weekly Reports (June 1989 – January 1990)**

As previously mentioned, on June 2, 1989, the USEPA Administrative Order on Consent (Consent Order) between USEPA and the RP Steering Committee was signed. The Consent Order was deemed to be effective on June 26, 1989 and it set forth a number of requirements, which were subsequently amended to include additional requirements when new information emerged during the removal action. A final workplan developed by the RPs was submitted to USEPA on July 17, 1989 and, after minor revisions, was approved on September 27, 1989. MK Environmental was retained to document the implementation of the RP workplan, which they did in a series of 28 Weekly Reports that were issued between June 26, 1989 and January 6, 1990. These reports document in detail the weekly progress in collecting tons of processed sludge, tons of steel and plastic, thousands of gallons of filter press fluids, the cleanup of debris, site grading and hydroseeding, and the ultimate off-site disposal of 6,054.5 tons of sludges, drums, and contaminated soils.

The completed Consent Order requirements relevant to this Site Characterization were:

*Drum Removal*

Tens of thousands of 55-gallon drums on the former Metro Container site, including those staged on the eastern parcel (which the RPs continued to refer to as the AMF property) were inspected, randomly sampled if they contained sludges, shredded or crushed, baled, and removed and disposed off-site. There were also 61 drums of assorted paint and solvents that were also removed. However, upon the discovery that buried drums were present at the site, the RPs informed the USEPA that they did not plan any further investigations of subsurface conditions.

*Concrete Holding Tank Closure*

All known piping that lead to the concrete holding tank was drained into the tank and these pipes were either plugged/capped or physically removed. The contents of the concrete holding tank were removed and treated prior to off-site disposal. The walls of the concrete holding tank were power-washed and then the tank was filled with two feet of compacted clay, a liner of 30 mil polypropylene, filled to within two feet of the top with soil, covered with two feet of compacted clay, and capped with one foot of soil and seeded with grasses (see Photos Metro-Trainer.028 and Metro-Trainer.029 in **Appendix A**). The liquids and sludges in the secondary containment area were also treated and disposed off-site and the upper one foot of soil within the containment area was removed.

*Tank Removal*



There were four roll-off containers that were determined to have contained sludges and ash materials; the contents of these roll-offs were removed and these containers were subsequently cleaned and returned to their owners. A total of 21 storage tanks were cleaned, dismantled, and removed from the site, including seven steel sludge tanks, three steel contaminated water tanks, three poly hydrochloric acid tanks, two steel heating oil tanks, two steel gasoline underground storage tanks, one fiberglass hydrochloric tank, and one fiberglass and two steel tanks that were empty at the time of their removal.

#### *Asbestos Insulation Removal*

Insulation on all externally insulated tanks and pipes outside the extant buildings were analyzed for asbestos; the asbestos-containing insulation was removed and disposed in accordance with applicable federal and state regulations.

#### *Pooled Liquids*

All pooled liquids in the tank containment area [surmised to be the Acid Tank Farm], the concrete holding tank containment area, and the drum storage areas were pumped into tanker trucks and sent off-site for proper disposal.

#### *Sump Closure*

Three cylindrical sumps along the edges of the concrete holding tank and a large sump located adjacent to the impoundment [again, surmised to be the Acid Tank Farm] were emptied, cleaned, and filled with concrete.

#### *Visually Contaminated Soils*

Visually impacted soils in the areas west and northwest of the drum reclaiming building were scrapped down to an approximate depth of 1-1.5 feet and the area regraded to create a sheet flow drainage to Stony Creek. It was estimated that approximately 6,500 yd<sup>3</sup> of soil was excavated.

#### *Cosmetically Clean Main Process Building*

An addition to the original USEPA approved scope of work, the drum reclaiming building was deemed a potential source of contamination. As such, contaminated debris, residues, and sludges from floors, floor drains and sparge lines were collected and sent off-site for disposal. Chemicals and tank contents were also removed in addition to sludges present in the southwestern side of the building. It was noted at this time that the southern wall of the building was not demolished by the cleanup activities, but rather by heavy storm winds on November 11, 1989. It is not known if the RPs addressed the



---

reported contamination under the loading dock (see Grand Jury Indictment of Metro Container Corporation Owners and Employees (August 1990) below).

#### **Weston Site Evaluation (December 1989)**

Weston revisited the Metro Container site on December 12, 1989 to photodocument soil sampling that was being performed during the aforementioned removal actions and to evaluate and then recommend any essential further actions. Weston decided not to recommend a geophysical survey because they believed that “it is unlikely that drums were buried” on the site by Metro Container, a conclusion disproved by the findings of this Site Characterization investigation (see Photos Metro-Trainer.051 through Metro-Trainer.058 in **Appendix A**). Weston also determined the levels of remaining contamination at the site to be “very low;” how this was determined without the benefit of subsurface sampling is not known, but this conclusion was also belied by the findings of this Site Characterization investigation (see Section 4 below). Concluding their report, Weston recommended no further actions be taken by USEPA at this site.

#### **USEPA Site Closure and Drum Excavation (January 1990)**

Final site closure approval was received by USEPA representatives during a site visit on January 4, 1990. However, other historical regulatory documentation indicated that USEPA Office of Criminal Investigation obtained a search warrant to conduct an on-site investigation resulting in the excavation of approximately 25 buried drums from the property on July 17, 1990; these drums contained concentrations of chromium, lead, and various flammable materials. It was not documented where this excavation was located or what information came to light after the January 4, 1990 site closure that revealed the presence of buried drums and necessitated their removal, but it’s possible this information was revealed as part of the Grand Jury investigation of Metro Container (see below).

#### **Grand Jury Indictment of Metro Container Corporation Owners and Employees (August 1990)**

On August 15, 1990, the United States Attorney for Eastern District announced a seventeen-count indictment against Metro Container Corporation, Metro Enterprise Container Corporation, Sidney Levy (President), and Steven Zubrin (Maintenance Supervisor) charging them with criminal violations of two federal environmental statutes and with conspiracy to violate those statutes. The indictment reiterated the numerous violations detailed throughout this site history narrative, including the dumping of hazardous waste and discharge of contaminated water into Stony Creek, for storing hazardous waste illegally, illegally disposing of hazardous waste on the property, particularly burying the waste outside, dumping it inside the former drum



reclaiming building in the “lid room” room and covering it with concrete to conceal the waste, and walling up waste in another “storage room”. In addition to discharging polluted water into Stony Creek, the indictment included discharging water into the sewers of Delcora that exceeded pollution effluent limits specified in the facility permit, for bypassing locks placed on the sewers by Delcora, and for sabotaging sampling devices that Delcora had installed to monitor Metro Container’s discharges. Furthermore, the defendants were accused of endangering the lives of other people by continuing to dump chemicals on the site even after a worker sustained serious burns in August 1985. The indictments were officially filed on August 18, 1990; the U.S. Attorney described the case as “the most egregious environmental violation that has been discovered in this district in many years, or perhaps ever.”

Of particular interest to this 2005 Site Characterization was the discovery in July 1990 that a contractor hired by Metro Container in 1986 dug a ditch and filled it with chemical wastes and drums and then workers poured a new 8-inch thick concrete floor over the waste to conceal it. It was stated that this burial took place inside one of the buildings at the site, presumably the former drum reclaiming building, but it was not noted in which room this took place (two possibilities are the rooms depicted in Photos Metro-Trainer.020 and Metro-Trainer.021 in **Appendix A**). It is not known whether this revelation relates to the same location where a former Metro Container truck driver described how a old truck ramp was filled with drums and then covered with a new concrete slab to expand the building. Also, the indictment charges that Metro Container discharged wastewater and incinerator residue via a “gray PVC pipe extending from the southeastern corner of the yard, where the pipe was connected to another pipe that lead directly to Stony [Stony] Creek.” The location of this gray PVC pipe and the creek discharge pipe that it was connected to is currently unknown; it is not believed to be the second outfall that was identified in this Site Characterization (see Photo Metro-Trainer.037 in **Appendix A**) because that outfall is located in the northwestern corner of the site.

#### **NUS Corporation Field Trip Report of Metro Container Corporation (August 1990)**

NUS Corporation accompanied Weston TAT and USEPA during a sampling event on August 23, 1990. This sampling involved the collection of seven aqueous and seven sediment samples from both Stony Creek and what was described as a “leachate” seep. The leachate sample, in all probability a creek sediment sample collected at the leachate seep, contained the pesticides DDE, DDD, and DDT. Downstream sediment samples from Stony Creek contained pesticides along with PAHs, ethylbenzene, and xylenes, chloroform, and carbon disulfide. Toluene and bromodichloromethane were detected in an aqueous leachate sample. Other site observations included:



- 
- An orange seep was noted below a drainage pipe coming from the site (undoubtedly the green painted PVC pipe that is still present on-site; (see Photos Metro-Trainer.033 and Metro-Trainer.034 in **Appendix A**);
  - Two black, septic-smelling leachate seeps were noted on the southern corner of the property adjacent to Stony Creek flowing directly into the creek; and,
  - A 55-gallon drum of used oil was observed in the middle of Stony Creek.

Perhaps due to the exclusion of the groundwater users in New Jersey, the number of groundwater users surrounding the site did not constitute a significant target population; as such, the Hazard Ranking System or HRS “score” for the Metro Container site was too low for the site to be considered for inclusion on the National Priority List (NPL), otherwise known as Superfund. The HRS model was heavily weighted to potential human impacts, including exposure via the groundwater use pathway, to the point where even a site with substantial soil, ecological, and surface water impacts wouldn’t score high enough to be a candidate for the NPL. Because the site was considered for inclusion, but did not make the list, it is considered to be a “non-NPL” Superfund site. It is important to note; however, that Metro Container is not what most people consider a “true” Superfund site such as Love Canal or Wells G&H, sites in which massive soil and groundwater remediation was performed using federal funds and where target populations were either relocated or placed on a public water supply.

#### **Grand Jury Indictment of Metro Container Corporation Owners and Employees (June 1991)**

On June 4, 1991, the United States Attorney for Eastern District announced a nineteen-count superseding indictment against Metro Container Corporation, Metro Enterprise Container Corporation, Sidney Levy (President), Steven Zubrin (Maintenance Supervisor), and a new defendant, Lewis Maslow (CEO and majority owner), with criminal violations of two federal environmental statutes, with conspiracy to violate those statutes, and making false statements to an agency of the United States. The indictment reiterated the same August 18, 1990 counts, but also included a new indictment charging Sidney Levy and Lewis Maslow with filing false individual financial statements concealing that they had transferred personal assets during the preceding three years.

#### **Conviction of Metro Container Corporation Owners and Employees (1991-1992)**

In July 1991, both Steven Zubrin (Maintenance Supervisor) and Sidney Levy (President) pleaded guilty in Federal Court in Philadelphia to toxic waste dumping charges during Metro Container’s ownership of the facility. Zubrin admitted to ordering workers to wall-up a room where hundreds of drums containing hazardous chemicals were stored and for knowingly pumping contaminated water into Stony Creek. Zubrin agreed to testify against Lewis Maslow



(CEO), who was convicted and sentenced in Federal Court the following May. Evidence brought forth in Maslow's trial indicated that the CEO instructed employees to bury thousands of rusting 55-gallon drums containing hazardous substances and then covering the burial sites with concrete to conceal them. Maslow admitted to instructing employees to sabotage Delcora's sampling devices so that Metro Container could pump untreated waste into their system without detection. When Delcora shut off the facility's access to the sewer system (which occurred in December 1987), Maslow ordered his employees to dump waste directly into Stony Creek. Maslow received 366 days in prison, a reduced sentence because he provided prosecutors with information related to numerous bankruptcy frauds perpetrated in New Jersey.

#### **Metro Container Office Building Fire (circa 1994-1995)**

Sometime between early 1994 and March 1995, fire destroyed the roof of the main office building at the abandoned Metro Container site. Given that the site had been abandoned since the conclusion of the RP removal action, the probable cause was arson.

#### **Service Painting, Inc. [Trainer Industries, LLC] Environmental Site Assessment (1998)**

An environmental site assessment (ESA) was conducted in 1998 on behalf of Service Painting, Inc., a local firm considering the purchase of the abandoned Metro Container facility. The ESA provides a glimpse into the condition of the facility nearly ten years after the removal action by the RPs. The ESA findings included the discovery of two underground storage tanks, 16 aboveground storage tanks, empty 55-gallon drums, asbestos inside the extant buildings, open floor drains still conveying fluids from the building onto on-site soils, and several areas of stressed vegetation.

One of the USTs was located just west of the locker room and the other UST was observed along the fence line on the eastern side of Price Street. The aboveground storage tanks, which were presumably removed according to the aforementioned MK Environmental Report (1990), included seven 275-gallon tanks, two 20,000-gallon tanks, two 4,000-gallon tanks, and one 100-gallon tank inside the drum reclaiming building, two 2,000-gallon tanks associated with boiler room in the southeastern corner of the drum reclaiming building, one 1,500-gallon fiberglass tank in the southeastern corner of the property, and one 1,000-gallon tank located on the eastern portion of the site. Asbestos containing materials were detected in: (i) pipe insulation outside the locker room, (ii) pipe insulation in the office building crawl space, (iii) transite pipe in the office building, (iv) transite panels in the office roof and roof soffits, (v) the boiler insulation in the former boiler room, and (vi) gaskets in the drum reclaiming building. Numerous



empty drums and drum lids were scattered throughout the property as were five empty flatbed trailers, and several abandoned vehicles.

The ESA concluded that no additional removal or remediation activities had occurred on the site since July 1990. Using the findings of the ESA, the environmental consultant for Trainer Industries, LLC (Pennoni Associates) developed a Remedial Investigation Workplan for the site in January 1999.

#### **Electromagnetic (EM) and Ground-Penetrating Radar (GPR) Geophysical Investigation (May 1999)**

In May 1999, Advanced Geological Services (AGS) conducted an electromagnetic (EM) and ground-penetrating radar (GPR) geophysical investigation of a small portion of the former Metro Container site (full report in **Appendix B**). According to the maps provided in the AGS report, the survey area was limited to a 2-acre sweep of an area to the west and northwest of the drum reclaiming building. AGS concluded that the EM data indicated it was unlikely that any large cache of buried drums were present in the surveyed area although the presence of buried metal could not be ruled out. Several linear anomalies were recorded and were presumed to represent buried piping. The GPR data was less definitive and could not be used to ascertain the presence of UST, pipes, or drums. The MWH-supervised geophysical survey conducted in August 2005 (see the Quantum Geophysics report in **Appendix B**) covered a much broader area than the AGS survey. The Quantum Geophysics survey did identify several areas where the presence of buried drums was considered very likely (which was subsequently confirmed by test trenches – see Section 4 below).

#### **Trainer Industries, LLC Remedial Investigation and Risk Assessment (June-October 1999)**

Pennoni Associates, Inc. the environmental consultant working on behalf of Trainer Industries, LLC conducted a site investigation of the facility in the latter half of 1999 per the scope of work presented in their January 5, 1999 Remedial Investigation Workplan that was approved by PADEP on February 1, 1999. This work was being conducted in order to achieve ultimate compliance with the Pennsylvania's Land Recycling and Environmental Remediation Standards Act (Act 1995-2 or Act 2), administered under 25 PA Code Chapter 250.

The sampling conducted by Pennoni and summarized in the June 15, 2000 Remedial Investigation/Risk Assessment Report provides some insight into the types of contaminants that are present in the subsurface at the Metro Container site. Among the constituents detected in soils in excess of the PADEP MSCs were benzene, 1,2,4-trichlorobenzene, naphthalene,



---

benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, bis(2-ethylhexyl)phthalate, chrysene, dibenzo(a,h)anthracene, pyrene, aroclor-1242, aroclor-1248, aroclor-1254, aroclor-1260, aroclor-1262, and the inorganic compounds antimony, arsenic, cadmium, chromium, lead, mercury, nickel, selenium, thallium, and zinc.

Among the constituents detected in Stony Creek sediments were acenaphthylene, acenaphthene, anthracene, benzo(a)anthracene, benzo(a)fluoranthene, benzo(a)pyrene, benzo(k)fluoranthene, benzo(g,h,i)perylene, bis(2-ethylhexyl)phthalate, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene, aroclor-1254, chromium and lead. Surface water samples collected in Stony Creek indicated the presence of chloroform, benzene, ethylbenzene, toluene, total xylenes, bis(2-ethylhexyl)phthalate, chromium, copper, lead, nickel, and zinc in the surface waters of Stony Creek.

During the course of the site investigation, Pennoni installed ten monitoring wells at the site. Subsequent sampling of these wells indicated constituents in excess of PADEP MSCs, including benzene, methylene chloride, toluene, 1,1,2-trichloroethane, vinyl chloride, benzo(a)anthracene, benzo(a)pyrene, bis(2-ethylhexyl)phthalate, chrysene, pyrene, aroclor-1248, cadmium, chromium, lead, and nickel.

Although this was the first concerted attempt at characterizing the subsurface conditions of the property, Pennoni conducted a rather cursory investigation and the resultant data could not be used to ascertain either the horizontal or vertical extent of contamination at the site nor the full range of subsurface constituent impact. Many of Pennoni's soil samples were collected no deeper than 0.5 foot bgs (essentially in the top soil that was used to grade the site after the RP removal action), and none of their subsurface borings exceeded six feet in depth. Furthermore, the lack of PID screening in some of these subsurface borings doesn't allow the resultant sampling results to be evaluated as to whether they are representative of the worse-case impact.

As a result, Pennoni's work on the site-specific risk assessment is inherently flawed because it models less-than-maximum levels of contaminant concentrations in the subsurface. Furthermore, Pennoni's belief that a clean buffer zone existed between Stony Creek and PADEP MSC exceedences farther landward (which would allow contaminants to attenuate as they flowed downgradient through the clean buffer) is entirely without evidence. In fact, the soils in close proximity to the creek have equal, and in many locations greater, impacts than more landward locations, which belies the existence of a clean buffer zone that could serve as a natural



remediation barrier. In summary, these issues and other data quality problems preclude the use of Pennoni's risk assessment in developing realistic and defensible site-specific standards.

The subsequent monitoring well installations, located on the basis of the soil sample results, may not have been optimally located, which casts doubt on the representativeness of the four rounds of groundwater monitoring that were subsequently conducted (see below). Lastly, several of the monitoring wells (MW-4, MW-5, MW-6, and MW-7) were screened through multiple hydrostratigraphic intervals (fill material, the confining unit comprised of Holocene-age alluvium, and the underlying Cape May Formation), thus interconnecting the upper, heavily impacted zone with the underlying aquifer and opening a pathway for vertical migration of contaminants.

#### **USEPA Site Evaluation (March 2000)**

USEPA delayed executing the Prospective Purchasers Agreement (PPA) with Trainer Industries, LLC until another site reconnaissance could be conducted to evaluate some of the revelations that came to light during the criminal investigation and subsequent trial of Sidney Levy and Lewis Maslow. On March 31, 2000, the original USEPA on-scene coordinator Douglas Fox revisited the site. Using the AGS geophysical survey as a guide, the USEPA determined that the likelihood of the presence of additional drums in the subsurface was "low." It is not known exactly where this on-site evaluation was conducted, but the historical documentation indicates it may have been focused only in the area of USEPA's July 1990 excavation (the location of which is presently unknown). A reconnaissance of the drum reclaiming building, including what the USEPA termed the "lid room," was also conducted and the USEPA determined that the levels of contamination did not warrant a response. The USEPA then examined the stormwater outfall (presumably the green painted PVC pipe; see Photos Metro-Trainer.033 and Metro-Trainer.034 in **Appendix A** or the second outfall identified in the Site Characterization; see Photos Metro-Trainer.037 and Metro-Trainer.049 in **Appendix A**) and noted that the effluent had the same cloudy appearance that it did during the removal actions. The USEPA stated that because there had been no reconfiguration of the stormwater collection/discharge system, it was very probable that contamination was still being discharged off-site by stormwater runoff.

At the end of the site reconnaissance, USEPA concluded that there were no releases of hazardous substances of a magnitude that would warrant a removal action; however, the USEPA advised Trainer Industries, LLC that soil contamination was still present on-site and any future soil excavation would have to be conducted prudently.



**USEPA Region III Agreement and Covenant Not To Sue ( March 2000)**

The USEPA, in conjunction with the United States Department of Justice, crafted through the latter half of 1999 an Agreement and Covenant Not to Sue with Trainer Industries, LLC indemnifying them with regards to the existing contamination at the site. Upon the close of the public comment period, the Agreement and Covenant Not to Sue became effective on March 23, 2000. Trainer Industries, LLC took ownership of the property on February 8, 2001 through the conveyance of the Sheriff's Deed. The property was described as Premises A (8.16 acres) and Premises B (2.2452 acres) being Folios nos. 46-00-00444-00 and 46-00-00445-00.

**Trainer Industries, LLC Remedial Investigation and Risk Assessment Addendum (December 11, 2000)**

The PADEP had provided comments on the Pennoni Associates, Inc. Remedial Investigation/Risk Assessment Report on September 14, 2000. Pennoni, on behalf of Trainer Industries, LLC, submitted a Remedial Investigation/Risk Assessment Addendum to PADEP on December 11, 2000. Addressing the primary PADEP comment on the open migration pathway between subsurface soil/groundwater and the surface waters of Stony Creek, Pennoni collected several sediment and seep samples in the creek in September 2000. However, Pennoni compared the sediment results to the PADEP MSCs for soils rather than ecological screening criteria specifically intended for use in determining impacts to fresh-water sediments. In terms of the exceedences detected in the surface water analytical results for compounds such as benzo(a)anthracene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, indeno(g,h,i)perylene, and aroclor-1260, Pennoni stated that once this impacted surface water mixed with the cooling water effluent discharging from the Tosco (now ConocoPhillips) refinery's Stony Creek Guard Basin, the concentrations would be below applicable surface water standards solely through the process of dilution. Pennoni committed to installing groundwater sumps or wells at these seep locations to facilitate collection of additional samples of emerging groundwater to assist in demonstrating attainment of site-specific standards for the site.

**Trainer Industries, LLC Remedial Investigation and Risk Assessment Addendum II (January 19, 2001)**

Pennoni, on behalf of Trainer Industries, LLC, submitted a second Remedial Investigation/Risk Assessment Addendum to PADEP on January 19, 2001. Pennoni summarized the analytical results for several groundwater sample rounds collected from the on-site monitoring well network; the compounds that were detected in excess of the PADEP MSC included benzene, benzo(a)anthracene, benzo(a)pyrene, bis(2-ethylhexyl)phthalate, chrysene, ethylbenzene, methylene chloride, naphthalene, pyrene, trichloroethane, 1,2,4-trichlorobenzene,



vinyl chloride, cadmium, lead, nickel, thallium, aroclor-1248, and aroclor-1260. Contrary to the attainment strategy, an increase in contaminant concentrations was noted in MW-6 and MW-7 over the monitoring period.

Several samples collected at Stony Creek seep locations contained compounds in excess of PADEP Surface Water Human Health Criteria, including benzo(a)anthracene, benzo(a)pyrene, bis(2-ethylhexyl)phthalate, chloroform, chrysene, pyrene, arsenic, aroclor-1248, and aroclor-1260. Based on the seep analytical results and the quality of the emerging groundwater from the Stony Creek seeps, Pennoni recommended an active remediation, specifically the removal of impacted soils, in the location of what they called Seep-3, which was located directly downgradient of the former disposal lagoon. None of the existing historical documentation indicates that this proposed remedy was ever implemented.

#### **Trainer Industries, LLC Quarterly Groundwater Sampling (June and October 2001)**

Two rounds of groundwater sampling of existing monitoring wells were conducted by Langan Engineering and Environmental Services, Inc. in June and October 2001 on behalf of Trainer Industries, LLC. Compounds that were detected in excess of the PADEP MSCs included benzene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, bis(2-ethylhexyl)phthalate, chrysene, ethylbenzene, methylene chloride, pyrene, vinyl chloride, antimony, cadmium, nickel, and aroclor-1248.

This was the last recorded activity at the site under Trainer Industries, LLC ownership related to the Act 2 “release of liability” program. It is not known why the attainment monitoring was terminated at this point. Two possible reasons are: (i) attainment monitoring technically should not commence until after remedial actions have been implemented, which had not occurred at the former Metro Container site, and (ii) the dissolved phase contaminant concentration trends in the groundwater monitoring wells were increasing significantly, rather than decreasing or remaining stable, thus, the monitoring well results could not have been used to demonstrate attainment with the site specific standards developed for the site. As such, the PADEP has not granted an Act 2 release of liability for the on-site contamination at the Metro Container site to the current owners.

#### **1.4 Site Ownership and Current Operations (2001-Present)**

Trainer Industries, LLC took ownership of the property on February 8, 2001 through the conveyance of the Sheriff’s Deed. Trainer Industries, LLC utilizes the former drum reclaiming building as a storage area for the chemicals and paints used in the their off-site painting contracts



---

(see Photos Metro-Trainer.022, Metro-Trainer.024, and Metro-Trainer.039 in **Appendix A**). The open area located west of the drum reclaiming building is used for the sand blasting of pipes and vessels prior to repainting (see Photos Metro-Trainer.005 and Metro-Trainer.031 in **Appendix A**). The office building is used as the business office for the enterprise.

Residential properties of Trainer Borough are in close proximity to the site along the northern property boundary. Surrounding commercial facilities include the ConocoPhillips Company Trainer refinery, Carters Auto Salvage, International Scrap, and railroad tracks operated by Conrail.



---

## **2.0 PHYSICAL SETTING**

### **2.1 Regional Geology**

The Trainer Industries, LLC site is situated on the southeastern fringe of the Atlantic Coastal Plain Province of southeastern Pennsylvania, which is comprised of a wedge of seaward-dipping Cretaceous-age to Holocene-age unconsolidated gravel, sand, silt, and clay that nonconformably overlies Precambrian/Cambrian-age rocks. The sediments generally strike northeast to southwest, dip to the southeast 0.1 to 0.65 degrees, and thicken seaward from their updip limit at the Fall Line to more than 6,500 feet at the southern tip of Cape May, New Jersey. Coastal Plain sediments pinch out against crystalline bedrock within 0.5 miles northwest of the site.

### **2.2 Site Geology**

The geology underlying the site can be divided in descending order into four general lithologies:

- anthropogenic fill.
- unconsolidated alluvial silt, clayey silt, silty clay, and peat;
- unconsolidated gravel and sand, with sandy silt, silt, and clayey silt; and,
- saprolite and competent bedrock.

#### **2.2.1 Anthropogenic Fill**

Fill material was emplaced throughout the site, particularly on the western half of the property. The fill has a maximum thickness of 17 feet and consists of a wide variety of materials ranging from sludge, demolition debris from the original buildings and tanks that occupied the site (red bricks, concrete block with rebar, etc), flyash, metal piping, metallic debris, and crushed drums. The thickest intervals of fill are located along the embankment of Stony Creek where the creek was essentially channelized by the numerous episodes of filling.

#### **2.2.2 Alluvial Silt, Clayey Silt, and Peat (Holocene-Age Alluvium)**

Holocene-age Delaware River alluvial silts and clays are present underlying the fill material along a narrow band paralleling Stony Creek. The alluvium is primarily comprised of silt, clayey silt, and peat, with varying degrees of organic content ranging from recognizable



marsh grasses to small pieces of wood. The silt lithofacies consists of very dark gray to gray silt, with little clay and trace fine-grained sand; there are some locations where the percentage of organic content is so high that the sediments can be classified as organic silt. The clayey silt lithofacies consists of very dark gray clayey silt, often with trace fine-grained sand; there are also some locations where the percentage of organic content is so high that the sediments can be classified as organic clayey silt. The peat lithofacies consists of a black peat, defined as having a dominant, well-preserved marsh grass matrix that often contains wood fragments and little silt and clay. This lithofacies often interfingers with the aforementioned silt and clayey silt facies.

### **2.2.3 Gravel and Sand, with Sandy Silt, Silt, and Clayey Silt (Cape May Formation)**

The gravel and sand intervals of the Cape May Formation are comprised of strong brown, very dark brown, dark brown, brown, olive brown, dark olive brown, dark yellowish-brown, yellowish-brown, very dark grayish-brown, grayish-brown, dark reddish-gray, olive gray, and dark gray to gray, fine- to coarse-grained, poorly-sorted quartz sand and silty sand with beds of gravel, silty gravel, gravelly sand, gravelly silty sand, and clayey sand. There are interbeds of well-sorted sands, sandy silt, silt, and clayey silt. The fine- to coarse-grained gravel, primarily granules and pebbles, is comprised of subrounded to rounded pink, pinkish-white, yellow, gray, white, and clear quartz and quartzite (ranging from deeply etched to smooth), with trace angular gray crystalline quartzite, cemented quartz aggregates, subangular to subrounded black, brown, yellow, gray, and white chert, rounded to subrounded red and greenish-gray sandstone fragments, subangular to subrounded black, red, and gray siltstone, angular to rounded feldspar, and muscovite. In the more landward locations, amphibole-garnet fragments, angular to subangular schist, and large muscovite books are notable. In those beds that contain cobble fragments, the cobbles are comprised of gray to crystalline angular quartzite, with occasional muscovite inclusions, and deeply etched, rounded brown, yellow, and white quartz/quartzite (2006).

Overlying the gravel and sand facies is a strong brown, brown, light olive brown, olive brown, yellowish-brown, dark yellowish-brown, very dark grayish-brown, dark grayish-brown, grayish-brown, light brownish-gray, very dark gray to light gray sandy silt, sandy clayey silt, silt, and clayey silt. These silts have common muscovite and often contain trace to little fine- to medium-grained sand, trace to little clay, and trace to little quartz pebbles, very degraded organics and angular siltstone fragments. The precise top of this silt facies can be difficult to



define because the uppermost section has been disturbed, excavated, and re-filled numerous times throughout the modern era in the Trainer area (2006).

#### **2.2.4 Saprolite and Competent Bedrock (Wissahickon Formation)**

The saprolite and competent bedrock that underlies the entire study area has been classified as the Wissahickon Formation, a Late Proterozoic-Ordovician-age interlayered psammitic and pelitic gneiss with amphibolites; a psammitic gneiss is a medium-to fine-grained biotite-plagioclase-quartz gneiss with or without small garnets while a pelitic gneiss is a medium- to coarse-grained garnet-sillimanite-biotite-plagioclase-quartz gneiss (Plank et al. 2000). Examination of numerous bedrock cores collected throughout the adjacent Trainer refinery area indicates that the Wissahickon Formation in this location is comprised primarily of moderately to strongly foliated quartz-plagioclase-biotite-hornblende diorite gneiss. Layering is generally vertical and there is vertical fracturing along foliation planes. The upper portion of the gneiss bedrock is commonly weathered to a saprolite, comprised of a banded black, white, and translucent, fine- to coarse-grained angular sand, which is often highly oxidized, with abundant quartz, plagioclase, biotite, and hornblende. The saprolite often retains a relict foliation and is competent enough to limit the penetration of split-spoon samplers. In other locations, particularly near the present-day surface water bodies of the Delaware River and Marcus Hook Creek, the saprolite is a white, very soft, richly micaceous residual clay, with no relict texture. In a few locations, quartz-rich pegmatites are encountered that contain muscovite books several inches in size. The nonconformity between the Wissahickon Formation and the overlying sediments is easily recognized and mapping of this contact reveals substantial paleotopographical variation of this dissected bedrock surface.

### **2.3 Regional Hydrogeology**

Crystalline bedrock in southeastern Pennsylvania serves as a minor aquifer, storing small to moderate amounts of water sufficient only for domestic needs. According to Greenman et al. (1961), the reported yields of 74 bedrock wells averaged 65 gpm. Water-bearing zones that yield significant quantities of water are only found within near surface, fractured rock (the fractures act as a conduit that transmit water to springs, streams, or wells). The yield of bedrock wells in the Piedmont is a function of the number and size of fractures intersected by the well and the replenishment of the fractures by groundwater seepage from the overlying saprolite. In areas like the site where the bedrock is overlain by unconsolidated sediments, the residual clayey saprolite probably serves as a semi-confining bed.



When present in a contiguous layer, the alluvial silt, clayey silt, and peat can function as a confining bed between the overlying fill material and the underlying Cape May Formation.

## **2.4 Site Hydrogeology**

The topographic relief of the site ranges from about 20 feet above msl at the north boundary of the property to approximately 12 feet above msl along the Stony Creek embankment. The most permeable natural water-bearing unit at the site is the unconsolidated sand and gravel facies of the Cape May Formation; however, the loosely consolidated fill in close proximity to Stony Creek, particularly the concrete block and crushed drums that form the embankment of the creek, is highly permeable with flow characteristics similar to fractured bedrock. Site-wide groundwater flow is affected by primarily by recharge through the fill material and discharge into Stony Creek; tidal effects are presumed to be minimal at this location. Groundwater flow is generally towards the south.

## **2.5 Groundwater and Surface Water Utilization**

Groundwater and surface water in the borough of Trainer is not used for potable water supplies. Eileen Nelson, Trainer Borough municipal engineer, and the Chester Water Authority (CWA) were contacted about private water supply wells near the site as part of a Site Specific Installation Permit (SSIP) application for a facility storage tank project at the ConocoPhillips refinery. The Borough and CWA both indicated there were no known private potable water wells in Trainer Borough. There are also no groundwater wells at the refinery that are in use or are planned for drinking water or agricultural purposes.

There are no surface water intakes for drinking water supply along the Delaware River within at least four miles of the site. A surface water intake for industrial use is located at the ConocoPhillips refinery downstream of the site, but this water is only used as non-contact cooling water and for fire protection. Additionally, the 1,000-foot area downgradient of the site does not intersect a 0.5-mile radius of a wellhead protection zone or a community water supply well source. According to the Delaware River Basin Commission, the nearest drinking water intake is located in the Torresdale section of Philadelphia at River Mile 110.5. This river intake location is approximately thirty (30) miles upstream of the site and would not be affected by site conditions.



The site, Trainer Borough, and other nearby municipalities are supplied with water by the CWA. Intake water to the CWA is withdrawn from the Octorara Creek Reservoir, part of the Susquehanna River Basin watershed, located more than thirty (30) miles away from the site and hydraulically separated from the Delaware River watershed.

Groundwater is widely utilized as a drinking water resource in New Jersey. However, the Delaware River, which is approximately 1.25 miles wide at the site location, acts as a hydrological groundwater divide prohibiting groundwater flow between the Coastal Plain formations of southeastern Pennsylvania and southwestern New Jersey. Groundwater flow from the site discharges directly to Stony Creek or the Delaware River (site-related contaminants have been noted in the refinery's Point-of-Compliance monitoring wells), therefore, there is no potential for contaminant migration flowing through the unconsolidated sediments underlying the River to impact groundwater quality in New Jersey.

## **2.6 Proximity to Sensitive Environments**

The site is situated adjacent to Environmentally and Economically Sensitive Areas, naming the confluence of Stony Creek and the Delaware River, which is comprised of wetlands and tidal flats. The shoreline located directly across the Delaware River in New Jersey is comprised of mixed sand and gravel beaches, tidal flats and wetlands. Throughout the area, bird populations consist of waterfowl, shorebirds, gulls & terns, and wading birds. Crabs comprise the dominant shellfish population. The Delaware River and various tributaries to the Delaware River in New Jersey have been designated bass spawning areas. Other riverine fish within these waters include alewife, blueback herring, American shad, shortnose sturgeon, Atlantic sturgeon, white perch, and yellow perch.



---

### 3.0 SITE CHARACTERIZATION SCOPE OF WORK

#### 3.1 Site Characterization Investigation Strategy

The soil, sediment, and groundwater characterization sampling scope of work developed for the Trainer Industries, LLC site was designed as a comprehensive remedial investigation for the entire property, a facility that has had over 100 years of industrial use and documented waste disposal for over 50 years, in support of a potential purchase by ConocoPhillips. This investigation was designed to satisfy the need to adequately characterize the historical contamination at the property per the requirements of Pennsylvania's Act 2 and other applicable regulations and to support the conditions of the potential Buyer-Seller Agreement between Trainer Industries, LLC, ConocoPhillips, and the Pennsylvania Department of Environmental Protection.

The primary purpose of the investigation is to quantify the presence and distribution of historical environmental impact to soils, sediments, and groundwater at the time of the potential purchase. To optimally locate the proposed soil and groundwater samples in the most likely historical source areas, MWH reviewed (i) USEPA and PADEP inspection reports, NOVs, and letters, (ii) documents from the 1988-1989 USEPA site stabilization activities and the 1989-1990 RP removal action that included the cleaning and closure of the concrete tank, disposal of over 60,000 drums, removal and disposal of 21 storage tanks, removal and disposal of asbestos-containing materials, cleaning and closure of three sumps near the concrete tank, clean-out of the process building, and excavation and disposal of approx. 6,500 yd<sup>3</sup> of visibly contaminated soil, (iii) numerous reports generated by Pennoni Associates (the former environmental consultant for Trainer Industries, LLC) (iv) Sanborn insurance maps that indicated the location of the infrastructure of the Manufacturers Paraffine Company, Stauffer Chemical Company (1920-1959), and the drum recycling operations (1963-1988), and (v) any additional information gathered during the 2004-2005 preliminary environmental assessment of the facility, including historical aerial photographs and site photographs.

A Site Characterization investigation of this site was performed because the historical sampling and analyses did not capture the full range of constituent contamination at this site nor was the areal coverage of documented soil and groundwater contamination sufficient to fully protect ConocoPhillips under the Act 2 release of liability program. **Figure 3-1** depicts the locations of the 2005 Site Characterization samples that were collected over the course of this investigation.



### **3.2 Mapping of Anthropogenic Fill and Sludge Deposits**

As the site history review revealed, the site had multiple episodes of landfilling and a recorded history of sludge releases. To accurately map the distribution and thickness of these deposits, special attention was paid in describing the depth and thickness of all anthropogenic material at each of the soil boring locations depicted on **Figure 3-1**.

### **3.3 Geophysical Survey and Test Trenches**

An electromagnetometer-61 (EM-61) is a device that utilizes a pulsating electromagnetic field to investigate the presence of metals, such as 55-gallon drums, buried below the ground surface. The EM 61 is a time-domain metal detector that detects both ferrous and non-ferrous metals. A transmitter generates a pulsed primary magnetic field in the earth that induces eddy currents in nearby metallic objects. The eddy current decay produces a secondary magnetic field measured by the instrument receiver coil. The EM 61 can detect a 55-gallon drum at a depth of over 9 feet beneath the instrument, yet is relatively insensitive to nearby cultural interferences such as fences, buildings and power lines (the depth of the target can usually be estimated from the width of the response). The EM-61 was deployed at the Trainer Industries, LLC site because (i) the former owners of Metro Container admitted to instructing employees to bury 55-gallon drums on the property, (ii) the geophysical survey conducted on behalf of Trainer Industries, LLC in 1999 was performed in an area some distance from prospective burial sites, and (iii) evidence of 55-gallon drums were noted in the embankment of Stony Creek and in the near subsurface soils.

Upon acquisition of the data, four test trenches were advanced at the locations of the highest geophysical anomalies to verify whether the intense magnetic field readings were indicative of 55-gallon drums or other metallic objects.

### **3.4 Soil, Groundwater, and Sediment Sampling**

Taking the historical data into account, the following scope of work was implemented:

- At 130 locations, soil borings were advanced and continuous soil cores collected, using a combination of truck-mounted or track-mounted Geoprobe® rigs to a depth where field screening indicated an absence of site-related impacts. To determine the relative distribution of organic contamination in the subsurface, all soil samples recovered from the sampling program were screened using a PID. One sample from each of these 130 borings that had the highest concentration of organic vapors or most visually-impacted hydrocarbon contamination were submitted to a certified analytical laboratory for PPL



---

volatiles (including MTBE, TBA, and EDB), PPL semivolatiles, PPL pesticides/PCBs, PPL metals, total cyanide, and total phenolics. A total of 29 of the 130 soil samples were also analyzed for Dioxin (2,3,7,8-TCDD via Method 8290).

- For the purposes of vertical delineation, an attempt was made to advance all soil borings to a depth where there was no indication of site-related contamination, as indicated by PID screening and visual observations. One sample from 12 of the aforementioned 130 soil sampling locations was collected at a depth interval where no impact is observed; these samples were submitted to a certified analytical laboratory for PPL volatiles (including MTBE, TBA, and EDB), PPL semivolatiles, PPL pesticides/PCBs, PPL metals, total cyanide, and total phenolics.
- For the purposes of satisfying the direct contact characterization requirement of Act 2, at 5 of the aforementioned 130 soil sampling locations, soil samples were collected in the 0-2 ft bgs interval. Each of these samples, biased to the highest concentration of organic vapors or most visually-impacted hydrocarbon contamination interval, were submitted to a certified analytical laboratory for PPL volatiles (including MTBE, TBA, and EDB), PPL semivolatiles, PPL pesticides/PCBs, PPL metals, total cyanide, and total phenolics.
- At 84 of the 130 soil boring locations mentioned above, temporary well points were installed in the soil boreholes, using the observations of the soil borings and degree of recharge into the temporary well points as a guide for making the most appropriate sampling location selection. After a sufficient volume of groundwater has migrated into the well point screen, groundwater samples from these temporary well locations were collected. These groundwater samples were submitted to a certified analytical laboratory for PPL volatiles (including MTBE, TBA, and EDB), PPL semivolatiles, PPL pesticides/PCBs, total PPL metals, total cyanide, and total phenolics. At 78 of these locations, groundwater was also be collected for dissolved PPL metals analyses.
- A total of six (6) sediment samples along the margins of Stony Creek were collected, biased toward locations where seeps into the creek have been observed or the most likely areas of contaminated groundwater discharge.



---

## 4.0 INVESTIGATION RESULTS

### 4.1 Anthropogenic Fill

**Figure 4-1** depicts the location of sludge deposits and the thickness of anthropogenic fill. The closely spaced soil boring locations and the sampling coverage across the entire 10.4-acre parcel of the Trainer Industries, LLC site allowed for the distribution and thickness of the anthropogenic fill material to be accurately mapped. Additionally, detailed observations of the subsurface soils allowed for the identification of sludge and sludge-like deposits to be noted (**Appendix C**).

It is quite evident from the anthropogenic fill thickness contours that the western end of the site underwent a fairly substantial filling over time that channelized Stony Creek farther to the west and brought the site up to a consistent grade with the eastern end of the site. The 15-foot thickness contour indicates the general location of the former disposal lagoon and the 5-foot and 10-foot contours encompass the area where demolition debris, flyash, metallic debris, and crushed drums were buried. Interbedded in this fill material in the western and southwestern areas of the site were sludge deposits, defined as the semi-solid or liquid residue generated from the former Metro Container treatment operations, but which also includes the original solid waste precipitate (e.g., an aggregate of oil and other matter) that was contained in the 55-gallon drums that were accepted by Metro Container from various industries. In a few locations, the sludge deposits comprise nearly the entire thickness of the fill, but most often, the sludge is an interbedded layer within a greater thickness of fill (see Photos Metro-Trainer.045 and Metro-Trainer.046 in **Appendix A**).

### 4.2 Geophysical Results and Test Trenches

**Figure 4-2** depicts the EM-61 contour map that was developed from the geophysical survey of all accessible areas at the site in August 2005 (full report in **Appendix B**). The areas shown in red were characterized by areas of relatively high EM-61 responses (defined as 225 to greater than 300 mV). The EM-61 can not distinguish these signatures as definitive drum locations, but given the filling and disposal history of the site, these areas do indicate where drums are most likely to be buried. Several linear anomalies suggestive of buried pipeline were also identified. These signatures are located where either known subsurface utilities are present or locations where former processing piping or waste treatment piping was suspected to be present.



**Figure 4-2** also depicts the location of test trenches that were advanced to ground truth several areas of high mV anomalies. A total of four test trenches were advanced to ascertain the source of the high EM-61 signatures.

Test Trench-01 was excavated between the 05-MET-01 and 05-MET-129 Geoprobe<sup>®</sup> sampling locations (see Photos Metro-Trainer.051 through Metro-Trainer.058 in **Appendix A**). The completed trench was 32 feet long, 3 feet wide and advanced to a depth of 5 feet through the top of the water table. As the photographs indicate, upon removing a 2 foot thick layer of top soil, a distinct layer of flyash was encountered. Underlying this flyash was a deposit of crushed and apparently incinerated drums at a depth of 3 to 5 feet below ground surface (bgs). The drum material was comprised of detached drum lids and crushed drums, some with small amounts of residual solids. PID readings of this residual material were recorded up to 427 ppm. Plastic sheeting and a large tire were also encountered in this excavation.

Test Trench-02 was excavated between the 05-MET-86 and 05-MET-13 Geoprobe<sup>®</sup> sampling locations (see Photos Metro-Trainer.059 through Metro-Trainer.062 in **Appendix A**). The completed trench was 20 feet long, 3 feet wide and advanced to a depth of 4 feet through the top of the water table. As the photographs indicate, this test trench encountered a concrete slab/foundation, metallic debris, and an unknown 4.5-inch diameter steel pipeline approximately 2.5 feet bgs. Only one crushed drum was encountered at this location (as compared to the dozens of drums and drum lids encountered in Test Trench-01); the small amount of residual solids in this drum registered a PID reading of 280 ppm.

Test Trench-03 was excavated adjacent to former drum reclaiming building near 05-MET-109 and 05-MET-121 Geoprobe<sup>®</sup> sampling locations (see Photos Metro-Trainer.063 through Metro-Trainer.066 in **Appendix A**). The completed trench was 12 feet long, 3 feet wide and advanced to a depth of 4 feet through the top of the water table. As the photographs indicate, this test trench encountered several plastic pipes in the near subsurface, probably related to the primary wastewater treatment system that operated under the former Universal Container/Metro Container ownership. Additionally, a significant amount of metallic debris (e.g., wire, conduit), bricks, and cast concrete block was encountered along with an unknown 15-inch diameter steel pipeline approximately 2 feet bgs. It is surmised that this pipeline, given its orientation, may have been the primary discharge pipe that lead from the former drum reclaiming building to the former disposal lagoon. No crushed drums were encountered at this location.



Test Trench-04 was excavated adjacent to SW Drain-01 (see Photo Metro-Trainer.067 in **Appendix A**). The completed trench was 10 feet long, 3 feet wide and advanced to a depth of 4 feet. As the photographs indicate, this test trench encountered demolition debris, primarily brick and rebar-reinforced concrete, probable remnants of the aboveground storage tank demolition that took place after Stauffer Chemical Company ownership when the site was cleared of most of its original structures and tanks. No crushed drums were encountered at this location.

#### **4.3 2005 Site Characterization Soil Sample Analytical Results**

**Figures 4-3 through 4-15** depict the full range of organic and inorganic compounds, including volatile organic, base-neutrals, pesticides, PCBs, and metals, detected in the subsurface soils of the site (these results are also listed on **Tables 4-1 and 4-2**; the original laboratory reports are in **Appendix D**). Based on review of the concentrations of the constituents that exceed the PADEP MSC, there are several noteworthy locations of considerable impact that substantively exceed the cleanup criteria, which are enveloped by areas of lesser impact.

As shown on **Figures 4-3 and 4-4** depicting the southwestern portion of the site, the area surrounding boring locations 05-MET-106, 05-MET-107, 05-MET-113, 05-MET-115, 05-MET-116, 05-MET-117, 05-MET-118, and 05-MET-119 have significant PADEP MSC exceedences of benzene (up to 3.9 mg/kg), tetrachloroethylene (up to 26 mg/kg), toluene (up to 180 mg/kg), trichloroethylene (up to 33 mg/kg), anthracene (up to 72 mg/kg), benzo(a)anthracene (up to 1,000 mg/kg), benzo(a)pyrene (up to 990 mg/kg), benzo(b)fluoranthene (up to 370 mg/kg), benzo(g,h,i)perylene (up to 580 mg/kg), benzo(k)fluoranthene (up to 130 mg/kg), chrysene (up to 1,300 mg/kg), dibenzo(a,h)anthracene (up to 330 mg/kg), naphthalene (up to 150 mg/kg), pentachlorophenol (up to 23 mg/kg), pyrene (up to 1,200 mg/kg), 1,2,4-trichlorobenzene (up to 66 mg/kg), bis(2-ethylhexyl)phthalate (up to 160 mg/kg), PCB-1248 (up to 354 mg/kg), PCB-1254 (up to 236 mg/kg), PCB-1260 (up to 206 mg/kg), antimony (up to 59.3 mg/kg), arsenic (up to 92.1 mg/kg), cadmium (up to 376 mg/kg), lead (up to 19,300 mg/kg), mercury (up to 24 mg/kg), nickel (up to 228 mg/kg), thallium (up to 6.42 mg/kg), and zinc (up to 4,090 mg/kg). These substantial impacts range in depth from 5.5 to 13.5 feet bgs. This contamination can be directly attributed to the waste deposited in the former disposal lagoon.

As shown on **Figures 4-5 and 4-6** depicting the western portion of the site, the area surrounding boring locations 05-MET-79 and 05-MET-80, 05-MET-82 and 05-MET-83, 05-MET-94, and 05-MET-92 and 05-MET-99 has significant PADEP MSC exceedences of benzene (up to 1.5 mg/kg), toluene (up to 120 mg/kg), benzo(a)anthracene (up to 87 mg/kg), benzo(a)pyrene (up to 90 mg/kg), benzo(b)fluoranthene (up to 110 mg/kg), benzo(g,h,i)perylene



(up to 70 mg/kg), chrysene (up to 56 mg/kg), dibenzo(a,h)anthracene (up to 42 mg/kg), dinitrotoluene (up to 1.6 mg/kg), naphthalene (up to 43 mg/kg), pentachlorophenol (up to 4.6 mg/kg), 1,2,4-trichlorobenzene (up to 15 mg/kg), bis(2-ethylhexyl)phthalate (up to 160 mg/kg), PCB-1248 (up to 67.7 mg/kg), PCB-1254 (up to 99.3 mg/kg), PCB-1260 (up to 200 mg/kg), antimony (up to 37.4 mg/kg), arsenic (up to 56.6 mg/kg), cadmium (up to 93.7 mg/kg), lead (up to 3,300 mg/kg), mercury (up to 7.36 mg/kg), nickel (up to 156 mg/kg), selenium (up to 16.1 mg/kg), thallium (up to 12.7 mg/kg), and zinc (up to 6,020 mg/kg). These substantial impacts range in depth from 2.25 to 9 feet bgs. This contamination can be directly attributed to the waste management practices surrounding the former concrete holding tank and the numerous releases to the ground surface when the tank overflowed its secondary containment. Additionally, the contamination in the outlying areas is attributed to the residual waste buried along with the 55-gallon drums in this area.

As shown on **Figures 4-7 and 4-8** depicting the northern portion of the site, the area surrounding boring locations 05-MET-01, 05-MET-72, 05-MET-74, 05-MET-75, and 05-MET-129 and outlying locations 05-MET-11, 05-MET-131, and 05-MET-133 have significant PADEP MSC exceedences of benzene (up to 0.81 mg/kg), tetrachloroethylene (up to 0.53 mg/kg), toluene (up to mg/kg), trichloroethylene (up to 1.4 mg/kg), benzo(a)pyrene (up to 14 mg/kg), benzo(k)fluoranthene (up to 18 mg/kg), hexachlorobenzene (up to 0.55 mg/kg), naphthalene (up to 58 mg/kg), bis(2-ethylhexyl)phthalate (up to 93 mg/kg), PCB-1248 (up to 744 mg/kg), PCB-1254 (up to 417 mg/kg), PCB-1260 (up to 1,300 mg/kg), chlordane (up to 27.1 mg/kg), dieldrin (up to 0.0549 mg/kg), p,p-DDD (up to 52.2 mg/kg), antimony (up to 22.5 mg/kg), arsenic (up to 26.3 mg/kg), cadmium (up to 46.4 mg/kg), copper (up to 24,700 mg/kg), lead (up to 4,730 mg/kg), mercury (up to 11.6 mg/kg), nickel (up to 251 mg/kg), thallium (up to 6.1 mg/kg), and zinc (up to 8,150 mg/kg). These substantial impacts range in depth from 2 to 8.5 feet bgs. This contamination can be directly attributed to the residual waste buried along with the 55-gallon drums and the numerous releases that occurred from the open-top drums that overflowed while being stored in this area.

As shown on **Figures 4-9 and 4-10** depicting the center portion of the site, the area surrounding boring locations 05-MET-13 and also 05-MET-20 and 05-MET-21 have significant PADEP MSC exceedences of tetrachloroethylene (up to 0.63 mg/kg), vinyl chloride (up to 1.3 mg/kg), benzo(a)anthracene (up to 75 mg/kg), benzo(a)pyrene (up to 97 mg/kg), benzo(b)fluoranthene (up to 38 mg/kg), benzo(g,h,i)perylene (up to 68 mg/kg), chrysene (up to 70 mg/kg), dibenzo(a,h)anthracene (up to 39 mg/kg), bis(2-ethylhexyl)phthalate (up to 35 mg/kg), PCB-1248 (up to 10.3 mg/kg), antimony (up to 30.2 mg/kg), arsenic (up to 15.9 mg/kg),



cadmium (up to 4.85 mg/kg), lead (up to 4,790 mg/kg), nickel (up to 151 mg/kg), selenium (up to 27.8 mg/kg), thallium (up to 6.7 mg/kg), and zinc (up to 1,430 mg/kg). These impacts range in depth from 3 to 9 feet bgs. This contamination can be directly attributed to the numerous releases that occurred from the open-top drums that overflowed while being stored in this area and the spillage, and possible dumping of chemicals, just outside the former Machine Shop.

As shown on **Figures 4-11, 4-12, and 4-13** depicting the southern portion of the site, the area surrounding boring locations 05-MET-104, 05-MET-109, and 05-MET-121 and outlying locations 05-MET-059, 05-MET-60, 05-MET-63, 05-MET-64, and 05-MET-65 have significant PADEP MSC exceedences of benzene (up to 0.79 mg/kg), tetrachloroethylene (up to 9.0 mg/kg), 1,1,2,2-tetrachloroethane (up to 0.17 mg/kg), toluene (up to 160 mg/kg), trichloroethylene (up to 7.4 mg/kg), vinyl chloride (up to 1.2 mg/kg), benzo(a)anthracene (up to 340 mg/kg), benzo(a)pyrene (up to 290 mg/kg), benzo(b)fluoranthene (up to 140 mg/kg), benzo(g,h,i)perylene (up to 150 mg/kg), chrysene (up to 630 mg/kg), dibenzo(a,h)anthracene (up to 110 mg/kg), hexachlorobenzene (up to 11 mg/kg), naphthalene (up to 32 mg/kg), pentachlorophenol (up to mg/kg), pyrene (up to 420 mg/kg), 1,2,4-trichlorobenzene (up to mg/kg), bis(2-ethylhexyl)phthalate (up to 53 mg/kg), PCB-1248 (up to 94.6mg/kg), PCB-1254 (up to 53.6 mg/kg), PCB-1260 (up to mg/kg), antimony (up to 4.98 mg/kg), arsenic (up to 36.5 mg/kg), cadmium (up to 35 mg/kg), lead (up to 665 mg/kg), mercury (up to 1.98 mg/kg), nickel (up to 164 mg/kg), thallium (up to 11.2 mg/kg), and zinc (up to mg/kg). These impacts range in depth from 0.5 to 21.75 feet bgs. This contamination can be directly attributed to the conveyance of waste from the former drum reclaiming building to the disposal area located to the west and the spillage of chemical inside the building during the long history of use of this facility under both the chemical and drum reclaiming operations.

As shown on **Figures 4-14 and 4-15** depicting the eastern/southeastern portion of the site, there are no locations that have a level of significant PADEP MSC exceedences comparative to other areas of the site although there are concentrations of trichloroethylene (9.6 mg/kg), pesticides, and numerous metals that exceed PADEP MSCs. These impacts range in depth from 1 to 6 feet bgs. This contamination can be directly attributed to the numerous releases that occurred from the drums that overflowed while being stored in this area.

**Table 4-3** lists the analytical results of various sand blast grit piles scattered throughout the property, presumably part of the Trainer Industries, LLC operations at the site. None of the analytical results for metals indicated an exceedence of PADEP MSCs; as such, these piles do not constitute a risk or source of surficial soil contamination.



#### 4.4 2005 Site Characterization Groundwater Sample Analytical Results

**Figure 4-16** depicts the locations of the 2005 Site Characterization groundwater sampling locations; as previously mentioned, 84 of the 130 soil sampling locations were sampled for groundwater (these results are also listed on **Table 4-4**).

Most of the PAH plumes (including dissolved phase benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, and chrysene) underlie the entire western end of the site, extending from Stony Creek at the extreme northwestern corner of the site (location 05-MET-128), through the center of the site (05-MET-009 and 05-MET-015), to locations underlying the former drum reconditioning building (**Figures 4-17 through 4-26**). Well-defined hot spots of especially high concentrations include 05-MET-009, 05-MET-014, 05-MET-125, 05-MET-095, 05-MET-066, 05-MET-059, and 05-MET-121 locations. Migration off-site occurs primarily along northern portion of the creek (05-MET-007 and 05-MET-128 locations), downgradient of the former holding tank (05-MET-82, 05-MET-87, 05-MET-92, 05-MET-93, and 05-MET-94), south and downgradient of the former disposal lagoon (05-MET-114, 05-MET-123, 05-MET-124, and 05-MET-125), and southeast and downgradient of the former drum reconditioning building, particularly at locations 05-MET-032 and 05-MET-34. Selected other PAH dissolved phase plumes (benzo(k)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3)pyrene) are located downgradient of the former holding tank, south and downgradient of the former disposal lagoon, and downgradient of the eastern end of the former drum reconditioning building. The pyrene dissolved phase plume is located downgradient of the former disposal lagoon, and downgradient of the former drum reconditioning building.

**Figures 4-27, 4-28, and 4-29** depict the PCB Aroclor-1248, Aroclor-1254, and Aroclor-1260 dissolved phase plumes that are generally located in the westernmost portion of the site in the vicinity of the 05-MET-071, 05-MET-75, 05-MET-080, and 05-MET-79 locations, downgradient of the former holding tank (05-MET-93), and at the location of the former disposal lagoon (05-MET-105, 05-MET-110, 05-MET-114, 05-MET-111, and 05-MET-115), with locations 05-MET-110 and 05-MET-114 having the highest concentrations. The Aroclor-1254 and Aroclor-1260 plumes extend back to the incinerator and floor drains of the former drum reconditioning building (locations 05-MET-062). The locations of the PCB dissolved phase plumes appear to be directly related to the disposal and conveyance of waste at the site, particularly the former disposal lagoon.



**Figures 4-30, 4-31, and 4-32**, depicting total metals results for arsenic, chromium, and lead and **Figure 4-33**, depicting dissolved concentrations of lead, are representative of all the metal groundwater results from the site. The highest concentrations of total arsenic are prevalent in the vicinity and downgradient of the former holding tank, further south along Stony Creek, west of the former drum reconditioning building (where the drums filled with sludge were stored), and underlying the eastern end of the building. The highest concentrations of total chromium were located near the northern corner of the site, in the vicinity of the former holding tank and former disposal lagoon, and along the northern side of the former drum reconditioning building. The highest concentrations of total lead were located in the vicinity of the former holding tank and former disposal lagoon, and in the vicinity of the former drum reconditioning building where the drums filled with sludge were stored. The highest concentrations of dissolved lead were located at the former disposal lagoon and in the vicinity of the former drum reconditioning building. It is evident from these results that the presence of metal contamination is directly related to the handling, numerous releases, and disposal of the sludges contained in the thousands of 55-gallon drum processed at the site.

**Figures 4-34, 4-35, and 4-36**, depicting the analytical results for benzene, TCE, and vinyl chloride, are representative of the other volatile organic contamination in groundwater from the site. These smaller plumes, relative to the PAH, PCB, and metal results, are located in the vicinity and downgradient of the former holding tank, in the area of the former disposal lagoon, and west of the former drum reconditioning building where the drums filled with sludge were stored. It is evident from these results that the presence of volatile organic contamination was directly related to the handling, numerous releases, and disposal of the sludges contained in the thousands of 55-gallon drum processed at the site.

Permanent monitoring wells were not installed in this Site Characterization investigation to determine the extent and apparent thickness of light non-aqueous phase liquids (LNAPL) or dense non-aqueous phase liquids (DNAPL). However, LNAPL was noted in numerous borings (see **Appendix C**), most often saturating the anthropogenic fill in the unconfined water table zone (see Photos Metro-Trainer.043, Metro-Trainer.044, and Metro-Trainer.045 in **Appendix A**). There is also the potential of DNAPL underlying the former drum reclaiming building.

#### **4.5 2005 Site Characterization Sediment Sample Analytical Results**

**Figures 4-37 and 4-38** depict the sediment sample results from Stony Creek from six different locations along the embankment of the former Metro Container site (these results are



also listed on **Table 4-5**). These results are compared to the Region III Freshwater Sediment Screening Benchmarks (in the case of the PCB results where no Region III Benchmark were available, the analytical results were compared to Sediment Screening Guidelines used across the Delaware River in New Jersey. As shown on **Figure 4-37**, numerous PAHs are present in excess of the Region III Freshwater Sediment Screening Benchmarks, including chlorobenzene (up to 0.009 mg/kg), acenaphthene (up to 0.38 mg/kg), acenaphthylene (up to 0.29 mg/kg), anthracene (up to 1.1 mg/kg), benzo(a)anthracene (up to 2.5 mg/kg), benzo(a)pyrene (up to 2.2 mg/kg), benzo(b)fluoranthene (up to 2.8 mg/kg), benzo(g,h,i)perylene (up to 1.3 mg/kg), benzo(k)fluoranthene (up to 1.2 mg/kg), bis(2-ethylhexyl)phthalate (up to 3.8 mg/kg), chrysene (up to 2.9 mg/kg), dibenzo(a,h)anthracene (up to 0.48 mg/kg), 1,2-dichlorobenzene (up to 0.072 mg/kg), fluoranthene (up to 4.0 mg/kg), fluorene (up to 0.55 mg/kg), indeno(1,2,3-c,d)pyrene (up to 1.3 mg/kg), naphthalene (up to 0.24 mg/kg), phenanthrene (up to 3.3 mg/kg), pyrene (up to 4.7 mg/kg), chlordane (up to 0.354 mg/kg), p,p-DD (up to 1.53 mg/kg), PCB-1248 (up to 3.3 mg/kg), PCB-1254 (up to 2.65 mg/kg), PCB-1260 (up to 2.14 mg/kg), arsenic (up to 71.3 mg/kg), cadmium (up to 3.32 mg/kg), chromium (up to 226 mg/kg), copper (up to 148 mg/kg), lead (up to 374 mg/kg), mercury (up to 0.675 mg/kg), nickel (up to 52.6 mg/kg), and zinc (up to 530 mg/kg). The most severe impacts are at the two suspected outfalls of the site (see Photos Metro-Trainer.036, Metro-Trainer.037, and Metro-Trainer.049 in **Appendix A** for the location of sample 05-METS-06 and Photos Metro-Trainer.034 and Metro-Trainer.035 in **Appendix A** for the location of sample 05-METS-05). It is significant that the constituents detected in the creek sediments are the same of those constituents detected in the subsurface soils of the site, belying previous RP and consultant conclusions that the creek was primarily contaminated by adjacent industries.



---

## 5.0 CONCLUSIONS

**Table 5-1** lists the maximum concentrations of contaminants for soils, groundwater, and sediment detected in the 2005 Site Characterization investigation at the Trainer Industries, LLC/former Metro Container site. Should the Act 2 program be re-initiated at this site, these are the concentration values that would have to be managed, through both risk assessment and remediation, in order for the site be granted a limited or complete release of liability. At the present time, ConocoPhillips has opted not to purchase this property, but would re-evaluate this decision should the risk profile of this site change in the future.



---

## 6.0 REFERENCES

### Documents Reviewed for the 2005 Site Characterization Report

#### 1969

PADH, April 3, 1969, "Universal Container Waste Discharge Report," 2 p.

PADH, April 8, 1969, "Universal Container Notice of Violation," 1 p.

Universal Container, April 11, 1969, "Filling of Lagoon Trench," 1 p.

PADH, April 16, 1969, "Acknowledgement of Universal Container Reply Letter," 1 p.

PADH, May 16, 1969, "Universal Container Waste Discharge Report," 2 p.

PADH, June 10, 1969, "Universal Container Waste Discharge Report," 2 p.

PADH, July 10, 1969, "Universal Container Notice of Violation," 1 p.

Universal Container, July 11, 1969, "Reply to NOV," 1 p.

PADH, July 16 1969, "Referral of Universal Container Notice of Violation Case to Legal Counsel," 1 p.

PA Office of Legal Counsel, July 25, 1969, "Rejection of Legal Action Request," 1 p.

#### 1970

PADH, February 19, 1970, "Universal Container Waste Inspection Report," 1 p.

Universal Container, March 19, 1970, "Reasons for Not Installing a Waste Treatment System," 2 p.

Catania Engineering Associates, Inc., April 6, 1970, "Treatment System Feasibility Study Proposal," 1 p.

Universal Container, April 8, 1970, "Approval of Treatment System Feasibility Study," 1 p.

Universal Container, April 14, 1970, "Tentative Schedule of Treatment System Feasibility Study," 1 p.

PA Enforcement and Administrative Section – Human Services, April 20, 1970, "Acknowledgement of Feasibility Study Schedule," 1 p.



---

PADH, August 29, 1970, "Universal Container Site Inspection Report," 2 p.

Universal Container, September 29, 1970, "Response to Drum Dumping Incident," 1 p.

Delaware River Basin Commission (DRBC), October 13, 1970, "Status of Discharger Compliance," 3 p.

## **1971**

Universal Container, February 2, 1971, "Progress of Treatment Plant Feasibility Study," 2 p.

Catania Engineering Associates, Inc., February 3, 1971, "Hookup of Facility Sanitary Sewers to Borough of Trainer," 1 p.

PA Enforcement and Administrative Section – Human Services, February 6, 1971, "Acknowledgement of Sanitary Sewer Hookup and Need for Re-Inspection," 1 p.

PADER, February 9, 1971, "Acknowledgement of Sanitary Sewer Hookup," 1 p.

Universal Container, March 18, 1971, "Request for City of Chester to Accept Facility Waste Effluent," 1 p.

City of Chester, "March 22, 1971, "Approval for Treatment Collection," 1 p.

PADH, April 26, 1971, "Universal Container Waste Inspection Report," 1 p.

PA Enforcement and Administrative Section – Human Services, May 28, 1971, "Order to Discontinue Discharges to Stony Creek," 2 p.

Universal Container, June 2, 1971, "Reply to PA Enforcement and Administrative Section Order," 2 p.

Catania Engineering Associates, Inc., June 2, 1971, "Decision to Proceed with Primary Treatment Design," 2 p.

Obermayer, Rebmman, Maxwell, & Hippel (Attorneys for Universal Container Corporation), June 3, 1971, "Commitment to Resolve Issues with Impoundments and Industrial Waste Discharge at Trainer," 4 p.

Universal Container, July 12, 1971, "Letter Stating Facility Will Not Discontinue Operations," 3 p.

PADH, April 26, 1971, "Universal Container Waste Inspection Report," 1 p.



---

**1972**

PADER, February 3, 1972, "Universal Container Waste Inspection Report," 2 p.

PADER, February 8, 1972, "Chronology of Violations at Universal Container," 2 p.

PADER, April 17, 1972, "Universal Container Notice of Violation," 1 p.

PADER, April 21, 1972, "Report on Landfilling at Universal Container Site," 2 p.

PADER, April 26, 1972, "Universal Container Inspection Letter," 2 p.

PADER, May 12, 1972, "Universal Container Inspection Letter," 1 p.

PADER, May 30, 1972, "Universal Container Waste Inspection Report," 1 p.

Universal Container, June 12, 1972, "Waste Inspection Report Response," 1 p.

**1975**

Catania Engineering Associates, Inc., post-August 1975, "SPCC Narrative," 2 p.

**1977**

Delaware County Regional Water Quality Control Authority (Delcora), July 28, 1977,  
"Discharge of Oil into Delcora System," 2 p.

**1978**

Universal Container Corporation, January 24, 1978, "Pollution Incident Prevention Report," 3 p.

Delaware County Regional Water Quality Control Authority (Delcora), August 15, 1978,  
"Discharge of Oil into Delcora System," 1 p.

**1980**

PADER, July 9, 1980, "Universal Container Lagoon Inspection Letter," 1 p.

PADER, September 11, 1980, "Universal Container Lagoon Inspection Letter," 2 p.

Universal Container, September 18, 1980, "Characterization of Lagoon Wastes," 1 p.

**1982**

PADER, January 18, 1982, "Universal Container Lagoon Inspection Letter," 1 p.

PADER, February 2, 1982, "Universal Container Lagoon Inspection Letter," 2 p.



---

Moorshead-Siddiqui and Associates, March 1982, "Hydrogeologic Investigation of the Universal Container Corporation Plant Property, Trainer, Pennsylvania," 30 p.

PADER Internal Memo, October 20, 1982, "Review of Moorshead-Siddiqui and Associates, March 1982, "Hydrogeologic Investigation of the Universal Container Corporation Plant Property," 3 p.

PADER, December 16, 1982, "Comments on Moorshead-Siddiqui and Associates, March 1982, "Hydrogeologic Investigation of the Universal Container Corporation Plant Property," 1 p.

### **1983**

Chemtek Services, February 4, 1983, "Analytical Data Concerning the Content of Universal Container Discharge to Delcora," 1 p.

PADER, September 16, 1983, "Comments on Universal Container Corporation Groundwater Monitoring Proposal," 2 p.

### **1984**

PADER, April 18, 1984, "Rejection of Application to Build a Furnace Reclamation System," 2 p.

### **1985**

PADER, September 12, 1985, "Metro Container Notice of Violation," 2 p.

PADER, October 25, 1985, "Metro Container Waste Deposition Inspection Letter," 2 p.

### **1986**

U.S. Coast Guard, February 18, 1986, "Notice of Federal Interest in a Pollution Incident," 1 p.

PADER, March 4, 1986, "Metro Container Spill Deposition Inspection Letter," 4 p.

PADER, April 1, 1986, "Metro Container Notice of Violation," 2 p.

PADER, May 30, 1986, "Potential Hazardous Waste Site Preliminary Assessment - Metro Container Corporation," 39 p.

PADER, June 19, 1986, "Metro Container Hazardous Waste Inspection Report," 2 p.

PADER, September 22, 1986, "Metro Container Hazardous Waste Inspection Report," 2 p.

EMS Resource Group, Inc. (Consultant for Metro Container), September 11, 1986, "Letter Objecting to PADER Comments Regarding Unpermitted Filling of Stony Creek," 1 p.



PADER, September 29, 1986, "Deficiency Letter on Metro Container Corporation's Filling of Stony Creek," 2 p.

EMS Resource Group, Inc. (Consultant for Metro Container), October 17, 1986, "Letter Requesting Support of Metro's Filling of the Stony Creek Floodplain," 1 p.

EMS Resource Group, Inc. (Consultant for Metro Container), October 17, 1986, "Response to PADER Regarding Metro's Filling of the Stony Creek Floodplain," 1 p.

EMS Resource Group, Inc. (Consultant for Metro Container), October 17, 1986, "Requesting Delaware County Conservation District Site Visit to Review Metro's Filling of the Stony Creek Floodplain," 1 p.

Brandywine Valley Engineers, Inc., October 28, 1986, "Request for Soil and Erosion Control Application," 1 p.

EMS Resource Group, Inc. (Consultant for Metro Container), November 11, 1986, "Map Showing Areas Filled by Metro Container Corporation in 1985," 1 p.

PADER, December 23, 1986, "Inadequate Laboratory Detection Limits for Monitoring Well Sampling," 1 p.

## **1987**

PADER, January 20, 1987, "Metro Container Notice of Violation," 2 p.

Delaware County Times, January 30, 1987, "Mishap ignites Trainer fire," 1 p.

PADER, February 17, 1987, "Metro Container Hazardous Waste Inspection Report," 4 p.

PADER, February 20, 1987, "Metro Container Notice of Violation," 2 p.

PADER, March 12, 1987, "Metro Container Waste Determinations," 1 p.

Delcora, March 18, 1987, "Suspension of Metro Container Discharge Permit and Right to Discharge," 2 p.

PADER, March 19, 1987, "Clean Streams Law Violation," 1 p.

PADER, May 19, 1987, "Metro Container Hazardous Waste Inspection Report," 2 p.

Metro Container Corporation/Metro Enterprise Container Corporation, June 30, 1987, "Metro Container Corporation Business Plan," 18 p.



---

US Coast Guard, July 24, 1987, "Water Pollution Violation Report and Civil Penalty," cover page 1.

PADER, August 18, 1987, "Metro Container Hazardous Waste Inspection Report," 2 p.

Metro Container Corporation, October 29, 1987, "Request for Relief on Loan Payments," 4 p.

Wilmington Trust, November 5, 1987, "Denial of Loan Request for Metro Container Corporation," 5 p.

PADER, November 6, 1987, "Metro Container Hazardous Waste Inspection Report," 3 p.

PADER, November 13, 1987, "Metro Container Notice of Violation," 3 p.

Borough of Trainer, November 18, 1987, "Appeal to Take Action on the Risks at Metro Container," 2 p.

Richard T. Schulze, House of Representatives, November 20, 1987, "Serious Contamination Problem at Metro Container," 1 p.

USEPA, December 4, 1987, "Response to Richard T. Schulze, House of Representatives," 1 p.

Administrative Hearing Records, December 17, 1987, "Enforcement Action Against Metro Container Corporation Brought by Delcora for Repeated Violations Relating to Discharges in Treatment Plant."

Weston-SPER, December 21, 1987, "Metro Container CERCLA Removal Response," 13 p.

## **1988**

USEPA, January 14, 1988, "RCRA Sampling Inspection Notification at Metro Container Corporation," 1 p.

USEPA, January 29, 1988, "RCRA Sampling Inspection at Metro Container Corporation," 2 p.

PADER, January 22, 1988, "Trainer, Marcus Hook, and Lower Chichester Public Complaints about Metro Container Solid Waste Practices," 1 p.

Richard T. Schulze, U.S. House of Representatives, February 5, 1988, "EPA Reports of Investigation into Contamination Problem at Metro Container," 1 p.

BP Oil, February 12, 1988, "Discharge Report from Metro Container," 1 p.

U.S. Coast Guard, February 12, 1988, "Notice of Federal Interest in a Pollution Incident," 1 p.

Metro Container, February 16, 1988, "Response to Discharge Report," 1 p.



PADER, March 3, 1988, "Metro Container Hazardous Waste Inspection Report," 3 p.

USEPA, March 4, 1988, "Delcora Shut-off of Metro Container Wastewater Influent," 2 p.

PADER, March 11, 1988, "Metro Container Notice of Violation," 3 p.

Weston-SPER, March 20, 1988, "Metro Container Offsite Migration Assessment," 7 p.

U.S. Coast Guard, March 21, 1988, "Follow-up to Borough Inquiry into Progress at Metro Container," 1 p.

PADER, March 29, 1988, "Metro Container Site Information Summary Sheet," 1 p.

PADER, April 5, 1988, "Metro Container Notice of Violation," 1 p.

E.I. de Pont de Nemours & Company, May 6, 1988, "Response to USEPA's CERCLA Request for Information, Including Chemical Listing of Materials Sent to Metro Container," 3 p.

BP Oil Company, May 11, 1988, "Response to USEPA's CERCLA Request for Information," 3 p.

USEPA, May 25, 1988, "Metro Container RCRA History," 2 p.

E.I. de Pont de Nemours & Company, June 2, 1988, "Follow-up Response to USEPA's CERCLA Request for Information, Including Chemical Listing of Materials Sent to Metro Container," 2 p.

USEPA, April-June 1988, Numerous Letters from Hundreds of Potentially Responsible Parties.

PADER, July 11, 1988, "Metro Container Notice of Violation," 3 p.

Weston-SPER, September 26, 1988, "Metro Container Site Survey," 2 p.

Weston SPER, October 10, 1988, "Assessment of Reclamation Building at Metro Container Site," 9 p.

PADEP, October 11, 1988, "Metro Container Hazardous Waste Inspection Report," 2 p.

Weston SPER, October 17, 1988, "Assessment of Environmental Threat at Metro Container Site," 9 p.



---

**1989**

Weston-SPER, January 3, 1989, "Disposal Options for the Metro Container Site," 3 p.

NUS Corporation Superfund Division, January 6, 1989, "Target Population Study, Metro Container Corporation," 22 p.

Saul, Ewing, Remick & Saul (RP Legal Counsel), February 6, 1989, "Submission of RP Scope of Work," cover page.

Weston SPER, February 13, 1989, "Review of Metro Container Site Scope of Work," 5 p.

NUS Corporation Superfund Division, March 10, 1989, "Non-Sampling Site Reconnaissance Summary Report, Metro Container Corporation," 17 p.

USEPA, March 20, 1989, "Requirement of PRPs to Address Metro Container Parcel East of Price Street," 2 p.

USEPA, June 2, 1989, "Administrative Order on Consent to BP America, Inc., Chevron Corporation, Mobil Corporation, Sun Refining and Marketing Company, and E.I. du Pont de Nemours & Company," 27 p.

USEPA, 1989, "Federal On-Scene Coordinator's Report: Metro Container Site, Trainer, Delaware County, Pennsylvania: CERCLA Removal Action/RP Takeover, September 19, 1998 through June 2, 1989," USEPA Region III, Philadelphia, PA, 262 p.

MK-Environmental Services, June 26, 1989 through January 6, 1990, "EPA Weekly Reports of Removal Actions," 45 p.

Saul, Ewing, Remick & Saul (RP Legal Counsel), August 2, 1989, "Refusal of Lewis Maslow Request to Remove Material from Metro Container Site," 1 p.

Saul, Ewing, Remick & Saul (RP Legal Counsel), August 15, 1989, "Discovery of Partially-Buried Drums," 1 p.

Saul, Ewing, Remick & Saul (RP Legal Counsel), August 25, 1989, "Removal Action Scope of Work Amendments," 2 p.

Saul, Ewing, Remick & Saul (RP Legal Counsel), September 29, 1989, "Removal Action Scope of Work Amendments," 2 p.

Saul, Ewing, Remick & Saul (RP Legal Counsel), October 19, 1989, "Letter of Removal Actions to be Excluded from Scope of Work," 2 p.

Saul, Ewing, Remick & Saul (RP Legal Counsel), November 1, 1989, "Posting of National Response Center Contact Information," 1 p.



Saul, Ewing, Remick & Saul (RP Legal Counsel), November 7, 1989, "AMF Property Drum Removal Completion," 1 p.

Weston, December 18, 1989, "Metro Container Soil Samples," 2 p.

## **1990**

MK-Environmental Services, January 26, 1990, "Metro Container Corporation Site Removal Action Final Report," 15 p.

U.S. Department of Justice, August 15, 1990, "Press Release on Seventeen Count Indictment Against Metro Container Corporation and Company Officers," 4 p.

The News Journal, August 16, 1990, "Delaware Man Indicted in Dumping," 1 p.

The Philadelphia Inquirer, August 16, 1990, "2 Delco Firms Hid Drums of Toxic Waste, U.S. Charges," 2 p.

The Legal Intelligencer, August 16, 1990, "Drum Recycling Firm Charged With Environmental Violations," 2 p.

Delaware County Daily Times, In The County, August 16, 1990, "Feds Indict 2," 1 p.

U.S. Department of Justice, August 18, 1990, "Seventeen Count Indictment Against Metro Container Corporation and Company Officers," 27 p.

The Philadelphia Inquirer, August 1990, "A Toxic Mess is Brought into the Open," 2 p.

USEPA, September 10, 1990, "Approval of a Removal Action and a Twelve - Month Exemption for the Metro Container Corporation CERCLA Removal Site," 7 p.

Weston, September 25, 1990, "Metro Container Samples Analytical Review," 9 p.

Borough of Trainer, September 25, 1990, "Request for Meeting with USEPA About First Responders," 1 p.

NUS Corporation Superfund Division, October 3, 1989, "Field Trip Report of Metropolitan Container Corporation," 14 p.

USEPA, October 10, 1990, "Attendance at Borough of Trainer Meeting," 1 p.

## **1991**

Borough of Trainer, January 3, 1991, "Prompt Response to Metro Container," 1 p.



---

Delaware County Daily Times, April 24, 1991, "Metro Official Admits Conspiracy," 1 p.

U.S. Department of Justice, June 4, 1991, "Press Release on Nineteen Count Indictment Against Metro Container Corporation and Company Officers," 6 p.

Delaware County Daily Times, In The County, June 5, 1991, "Dump Charges Piling Up," 1 p.

The Philadelphia Inquirer, June 5, 1991, "Owner of 2 Bankrupt Firms Faces Waste-Dumping Charges," 1 p.

## **1992**

Delaware County Daily Times, May 4, 1992, "Ex-Metro CEO Gets Slammer," 1 p.

## **1998**

Pennoni Associates, Inc., October 8, 1998, "Environmental Site Assessment, Former Metro Container Corporation," 15 p., 4 appendices.

## **1999**

Pennoni Associates, Inc., January 5, 1999, "Remedial Investigation Work Plan, Former Metro Container Corporation," 18 p, 6 figures, 3 appendices.

PADEP, February 1, 1999, "Approval of Remedial Investigation Work Plan," 1 p.

Advanced Geological Services, June 7, 1999, "Results of Geophysical Investigation Conducted at the Former Metro Container Facility, Price Street, Trainer, Pennsylvania," 9 p.

Trainer Industries, LLC, June 23, 1999, "Letter of Funding Commitment," 1 p.

Pennoni Associates, Inc., July 8, 1999, "Single Application for Assistance for ISRP Funding, Trainer Industries, LLC, Former Metro Container Corporation," 10 p., 2 attachments, 5 exhibits.

Pennoni Associates, Inc., August 31, 1999, "Revised Scope of Services for Additional Investigations, Former Metro Container Corporation," 5 p.

Pennoni Associates, Inc., December 13, 1999, "Additional Investigations, Former Metro Container Corporation," 4 p.

## **2000**

Pennoni Associates, Inc., March 7, 2000, "Revised Scope of Services for Additional Site Characterization Activities, Former Metro Container Corporation," 6 p.

Pennoni Associates, Inc., March 10, 2000, "Addendum to the DCED Loan Application on behalf of Trainer Industries LLC, Former Metro Container Corporation," 4 p.



---

USEPA, March 23, 2000, "Metro Container Corporation Site Prospective Purchaser Agreement," 23 p.

Pennoni Associates, Inc., April 26, 2000, "Request for Non-Use Aquifer Designation, Former Metro Container Facility," 4 p., plus attachments.

Pennoni Associates, Inc., May 8, 2000, "Notice of Intent to Remediate, Former Metro Container Facility," 1 p.

Pennoni Associates, Inc., May 9, 2000, "Notification of the Notice of Intent to Remediate, Former Metro Container Facility," 1 p.

USEPA, June 13, 2000, "Trip Report-Metro Container Site", 2 p.

Pennoni Associates, Inc., June 15, 2000, "Remedial Investigation and Risk Assessment, Former Metro Container Corporation," 66 p., 11 tables, 15 figures, 12 appendices.

*includes:*

- Moorshead-Siddiqui and Associates, March 1982, "Hydrogeologic Investigation of the Universal Container Corporation Plant Property, Trainer, Pennsylvania," 30 p.
- Pennsylvania Department of Environmental Resources, May 30, 1986, "Potential Hazardous Waste Site Preliminary Assessment - Metro Container Corporation," 32 p, attachments.
- Weston-SPER, December 21, 1987, "Metro Container CERCLA Removal Response," 13 p.
- Weston-SPER, March 20, 1988, "Metro Container Offsite Migration Assessment," 7 p.
- Weston-SPER, September 26, 1988, "Metro Container Site Survey," 2 p.
- Weston-SPER, October 17, 1988, "Assessment of Environmental Threat at Metro Container Site," 9 p.
- Weston-SPER, January 3, 1989, "Disposal Options for the Metro Container Site," 3 p.
- Weston-SPER, February 13, 1989, "Review of Metro Container Site Scope of Work," 5 p.
- NUS Corporation Superfund Division, January 6, 1989, "Target Population Study, Metro Container Corporation," 22 p.
- NUS Corporation Superfund Division, March 10, 1989, "Non-Sampling Site Reconnaissance Summary Report, Metro Container Corporation," 17 p.
- NUS Corporation Superfund Division, October 3, 1990, "Field Trip Report of Metropolitan Container Corporation," 14 p.
- MK-Environmental Services, January 26, 1990, "Metro Container Corporation Site Removal Action Final Report," 15 p.
- Pennoni Associates, Inc., October 8, 1998, "Environmental Site Assessment, Former Metro Container Corporation," 15 p., 4 appendices.
- Pennoni Associates, Inc., January 5, 1999, "Remedial Investigation Work Plan," 18 p., 6 figures, 3 appendices.
- USEPA, June 13, 2000, "Trip Report-Metro Container Site", 2 p.



- 
- Advanced Geological Services, June 7, 1999, “Results of Geophysical Investigation Conducted at the Former Metro Container Facility, Price Street, Trainer, Pennsylvania,” 9 p.
  - Pennoni Associates, Inc., April 26, 2000, “Request for Non-Use Aquifer Designation, Former Metro Container Facility,” 4 p., plus attachments.
  - Pennoni Associates, Inc., May 8, 2000, “Notice of Intent to Remediate, Former Metro Container Facility,” 1 p.
  - Pennoni Associates, Inc., May 9, 2000, “Notification of the Notice of Intent to Remediate, Former Metro Container Facility,” 1 p.

Pennoni Associates, Inc., June 27, 2000, “Supporting Documentation for Loan Application, Former Metro Container Corporation,” 1 p., attachment.

Pennoni Associates, Inc., December 11, 2000, “Remedial Investigation and Risk Assessment Addendum, Former Metro Container Corporation,” 7 p., 3 tables, 2 figures, plus analytical results attachments.

## **2001**

Pennoni Associates, Inc., January 19, 2001, “Remedial Investigation and Risk Assessment Addendum II, Former Metro Container Corporation,” 8 p., 3 tables, 1 figure.

PADEP, February 14, 2001, “Approval of Non-Use Aquifer Determination,” 2 p.

Langan Engineering and Environmental Services, Inc., September 25, 2001, “June 2001 Quarterly Groundwater Monitoring and Sampling Report, Former Metro Container Site, Trainer, Pennsylvania,” 9 p., 4 tables, 3 figures, one appendix.

Langan Engineering and Environmental Services, Inc., November 30, 2001, “October 2001 Quarterly Groundwater Monitoring and Sampling Report, Former Metro Container Site, Trainer, Pennsylvania,” 9 p., 4 tables, 3 figures, one appendix.



### **Aerial Photographs Reviewed for the 2005 Site Characterization Report**

- March 11, 1953 (Stauffer Chemical Company, Inc. Ownership)
- March 16, 1959 (Stauffer Chemical Company, Inc. Ownership)
- April 22, 1965 (Joseph A. Reis Company Ownership)
- March 9, 1975 (Universal Container Corporation Ownership)
- April 8, 1970 (Universal Container Corporation Ownership)
- October 30, 1979 (Universal Container Corporation Ownership)
- March 6, 1985 (Metro Container Corporation Ownership)
- June 13, 1988 (Metro Container Corporation Ownership)
- November 4, 1989 (Metro Container Corporation Ownership)
- April 19, 1990 (Metro Container Corporation Ownership)
- April 19, 1993 (Metro Container Corporation Ownership)
- March 24, 1995 (Metro Container Corporation Ownership)

### **Hydrogeological Technical References**

Greenman, D.W., D.R. Rims, W.N. Lockwood, and H. Meisler, 1961. *Ground-Water Resources of the Coastal Plain Area of Southeastern Pennsylvania*: Pennsylvania Geological Survey, Fourth Series, Bulletin W13.

██████████ 2006 - in Press, "Stratigraphy and Radiocarbon Dates of Pleistocene and Holocene-Age Deposits, Delaware County, Pennsylvania - Rectifying the Presence of the Cape May Formation and the Trenton Gravel in the Delaware Valley." *Northeastern Geology and Environmental Sciences*.

Plank, M.O., Schenck, W.S., and Srogi, L., 2000, *Bedrock geology of the Piedmont of Delaware and adjacent Pennsylvania*, Delaware Geological Survey Report of Investigations No. 59, 52 p.



Table 4-1  
Unsaturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Above Groundwater (Unsaturated)		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-012 05-MET-012S 08/18/05 1-1.5 1, 1.95			05-MET-021 05-MET-021S 08/15/05 1.5-2 1, 1.06, 10			05-MET-040 05-MET-040S 08/22/05 1-1.5 48.08, 5			05-MET-045 05-MET-045S 08/22/05 1.5-2 1.63, 5			05-MET-050 05-MET-050S 08/22/05 1.5-2 1, 5			05-MET-056 05-MET-056S 08/23/05 0.5-1 1, 1.25			05-MET-060 05-MET-060S 08/16/05 1.5-2 10, 44.6, 44.64			05-MET-064 05-MET-064S 08/15/05 0.5-1 10, 44.56, 44.6			05-MET-099 05-MET-099S 08/09/05 1.25-1.75 498, 498.01			05-MET-114 05-MET-114S 08/08/05 0.75-1.25 1, 45.6, 45.62		
	CAS #	0 - 2'	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
VOs				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Acrolein	107-02-8	0.012	MG/KG	ND	0.043		ND	0.043		ND	1.3		ND	0.038		ND	0.026		ND	0.032		ND	1.1		ND	1		ND	11		ND	1	
Acrylonitrile	107-13-1	0.27	MG/KG	ND	0.009		ND	0.009		ND	0.25		ND	0.008		ND	0.005		ND	0.006		ND	0.22		ND	0.21		ND	2.3		ND	0.2	J
Benzene	71-43-2	0.5	MG/KG	0.005	0.001	J	0.005	0.001		ND	0.031		ND	0.001	0.0007	0.0007	J	ND	0.0008		ND	0.027	0.027	0.026	J	ND	0.29		0.031	0.026			
Bromodichloromethane	75-27-4	10	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
Bromoform	75-25-2	10	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
Bromomethane	74-83-9	1	MG/KG	ND	0.004		ND	0.004		ND	0.13		ND	0.004	ND	0.003		ND	0.003		ND	0.11		ND	0.1		ND	1.1		ND	0.1		
Carbon tetrachloride	56-23-5	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051	J	
Chlorobenzene	108-90-7	10	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052	1.8	0.57	J	0.23	0.051			
Chlorodibromomethane	124-48-1	10	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
2-chloroethyl Vinyl Ether	110-75-8	NS	MG/KG	**			**			ND	0.13	**	**		**			**			ND	0.11		ND	0.1		ND	1.1		ND	0.1		
Chloroethane	75-00-3	90	MG/KG	ND	0.004		ND	0.004		ND	0.13		ND	0.004	ND	0.003		ND	0.003		ND	0.11		ND	0.1		ND	1.1		ND	0.1		
Chloroform	67-66-3	10	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
Chloromethane	74-87-3	0.3	MG/KG	ND	0.004		ND	0.004		ND	0.13		ND	0.004	ND	0.003		ND	0.003		ND	0.11		ND	0.1		ND	1.1		ND	0.1		
Ethylene Dibromide (EDB)	106-93-4	0.005	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
1,1-Dichloroethane	75-34-3	11	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
1,2-Dichloroethane	107-06-2	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
1,1-Dichloroethene	75-35-4	0.7	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
cis-1,2-Dichloroethylene	156-59-2	7	MG/KG	ND	0.002		ND	0.002		ND	0.063		0.005	0.002	J	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051	
trans-1,2-Dichloroethylene	156-60-5	10	MG/KG	ND	0.002		ND	0.002	J	ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
1,2-Dichloropropane	78-87-5	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
cis-1,3-Dichloropropene	10061-01-5	NS	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
trans-1,3-Dichloropropene	10061-02-6	NS	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
Ethylbenzene	100-41-4	70	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055	0.27	0.052	17	0.57		1.6	0.051				
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	MG/KG	ND	0.001		ND	0.001		ND	0.031		ND	0.001	ND	0.0007		ND	0.0008		ND	0.027		ND	0.026		ND	0.29		ND	0.026		
Methylene chloride	75-09-2	0.5	MG/KG	ND	0.004		ND	0.004		ND	0.13		ND	0.004	ND	0.003		ND	0.003		ND	0.11		ND	0.1		ND	1.1		ND	0.1		
1,1,2,2-Tetrachloroethane	79-34-5	0.03	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051	J	
Tetrachloroethylene (PCE)	127-18-4	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		0.089	0.051		
1,1,1-Trichloroethane	71-55-6	20	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
1,1,2-Trichloroethane	79-00-5	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
Trichloroethylene (TCE)	79-01-6	0.5	MG/KG	ND	0.002		ND	0.002		9.6	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
Trichlorofluoromethane	75-69-4	200	MG/KG	ND	0.004		ND	0.004		ND	0.13	0.019	0.004	ND	0.003		ND	0.003		ND	0.11		ND	0.1		ND	1.1		ND	0.1			
tert-Butyl alcohol (TBA)	75-65-0	NS	MG/KG	ND	0.043		ND	0.043		ND	1.3		ND	0.038	ND	0.026		ND	0.032		ND	1.1		ND	1		ND	11		ND	1	J	
Toluene	108-88-3	100	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055	0.66	0.052	1.9	0.57	J	0.20	0.051				
Vinyl chloride	75-01-4	0.2	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		ND	0.055		ND	0.052		ND	0.57		ND	0.051		
Xylenes (total)	1330-20-7	1000	MG/KG	ND	0.002		ND	0.002		ND	0.063		ND	0.002	ND	0.001		ND	0.002		0.15	0.055	J	1.1	0.052		59	0.57		1.3	0.051		
VO TICs		NS	MG/KG	0.292			0.292			ND			ND		1.148		0.047				83		15.44		188.5			13.95					



Table 4-1  
Unsaturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Above Groundwater (Unsaturated)		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-012 05-MET-012S 08/18/05 1-1.5 1, 5			05-MET-021 05-MET-021S 08/15/05 1.5-2 10			05-MET-040 05-MET-040S 08/22/05 1-1.5 5			05-MET-045 05-MET-045S 08/22/05 1.5-2 5			05-MET-050 05-MET-050S 08/22/05 1.5-2 5			05-MET-056 05-MET-056S 08/22/05 0.5-1 5			05-MET-060 05-MET-060S 08/16/05 1.5-2 10			05-MET-064 05-MET-064S 08/15/05 0.5-1 10			05-MET-099 05-MET-099S 08/09/05 1.25-1.75 1, 2			05-MET-114 05-MET-114S 08/08/05 0.75-1.25 1, 5		
	CAS #	0 - 2'	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																																	
Acenaphthene	83-32-9	4700	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		1.5	0.41	J	ND	1.2		0.97	0.38	J	0.40	0.11	J
Acenaphthylene	208-96-8	6900	MG/KG	0.046	0.037	J	ND	2.2		0.35	0.22	J	ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		0.47	0.38	J	0.13	0.11	J
Anthracene	120-12-7	350	MG/KG	0.059	0.037	J	5.2	2.2	J	0.70	0.22	J	0.41	0.2	J	ND	0.22		ND	0.21		2.6	0.41		ND	1.2		2.2	0.38		1.3	0.11	
Benzidine	92-87-5	0.34	MG/KG	ND	0.74		ND	44		ND	4.4		ND	3.9		ND	4.3		ND	4.3		ND	8.1		ND	23		ND	7.7		ND	2.2	
Benzo(a)anthracene	56-55-3	110	MG/KG	0.24	0.037		35	2.2		1.5	0.22		1.2	0.2		ND	0.22		0.57	0.21	J	5.3	0.41		ND	1.2		4.4	0.38		2.0	0.11	
Benzo(a)pyrene	50-32-8	11	MG/KG	0.32	0.037		27	2.2		0.86	0.22	J	1.2	0.2		ND	0.22		0.61	0.21	J	2.5	0.41		ND	1.2		2.9	0.38		1.6	0.11	
Benzo(b)fluoranthene	205-99-2	110	MG/KG	0.48	0.037		14	2.2		1.4	0.22		1.7	0.2		ND	0.22		0.76	0.21	J	1.9	0.41	J	1.3	1.2	J	3.5	0.38		2.1	0.11	
Benzo(g,h,i)perylene	191-24-2	180	MG/KG	0.32	0.037		20	2.2		0.39	0.22	J	0.92	0.2	J	ND	0.22		1.0	0.21	J	1.1	0.41	J	ND	1.2		2.2	0.38		1.1	0.11	
Benzo(k)fluoranthene	207-08-9	610	MG/KG	0.20	0.037		ND	2.2		0.59	0.22	J	0.68	0.2	J	ND	0.22		ND	0.21		0.56	0.41	J	ND	1.2		1.1	0.38	J	1.0	0.11	
Butyl benzyl phthalate	85-68-7	10000	MG/KG	ND	0.074		ND	4.4		ND	0.44		ND	0.39		ND	0.43		ND	0.43		ND	0.81		ND	2.3		ND	0.77		3.2	0.22	
bis(2-Chloroethoxy) methane	111-91-1	NS	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		ND	0.38		ND	0.11	
bis(2-Chloroethyl) ether	111-44-4	0.055	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		ND	0.38		ND	0.11	
bis(2-Chloroisopropyl) ether	108-60-1	30	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		ND	0.38		ND	0.11	
bis(2-Ethylhexyl) phthalate	117-81-7	130	MG/KG	12	0.37		ND	4.4		ND	0.44		3.5	0.39		0.81	0.43	J	ND	0.43		ND	0.81		7.1	2.3	J	62	1.5		45	1.1	
4-Bromophenyl phenyl ether	101-55-3	NS	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		ND	0.38		ND	0.11	
4-Chloro-3-methylphenol	59-50-7	110	MG/KG	ND	0.074		ND	4.4		ND	0.44		ND	0.39		ND	0.43		ND	0.43		ND	0.81		ND	2.3		ND	0.77		ND	0.22	
2-Chloronaphthalene	91-58-7	18000	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		ND	0.38		ND	0.11	
2-Chlorophenol	95-57-8	4.4	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		ND	0.38		ND	0.11	
4-Chlorophenyl phenyl ether	7005-72-3	NS	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		ND	0.38		ND	0.11	
Chrysene	218-01-9	230	MG/KG	0.43	0.037		33	2.2		1.9	0.22		1.5	0.2		ND	0.22		0.83	0.21	J	6.5	0.41		ND	1.2		6.6	0.38		2.6	0.11	
Dibenzo(a,h)anthracene	53-70-3	11	MG/KG	0.14	0.037	J	11	2.2		ND	0.22		0.36	0.2	J	ND	0.22		0.53	0.21	J	0.63	0.41	J	ND	1.2		ND	0.38		0.36	0.11	J
1,2-Dichlorobenzene	95-50-1	60	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		4.7	0.38		1.2	0.11	
1,3-Dichlorobenzene	541-73-1	61	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		6.5	0.38		0.37	0.11	J
1,4-Dichlorobenzene	106-46-7	10	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		1.5	0.38	J	1.2	0.11	
2,4-Dichlorophenol	120-83-2	2	MG/KG	ND	0.037		ND	2.2		ND	0.22		ND	0.2		ND	0.22		ND	0.21		ND	0.41		ND	1.2		ND	0.38		ND	0.11	
3,3'-Dichlorobenzidine	91-94-1	32	MG/KG	ND	0.11		ND	6.5		ND	0.65		ND	0.59		ND	0.65		ND	0.64		ND	1.2		ND	3.5		ND	1.2		ND	0.34	
Diethyl phthalate	84-66-2	500	MG/KG	ND	0.074		ND	4.4		ND	0.44		ND	0.39		ND	0.43		ND	0.43		ND	0.81		ND	2.3		ND	0.77		ND	0.22	
2,4-Dimethylphenol	105-67-9	200	MG/KG	ND	0.11		ND	6.5		ND	0.65		ND	0.59		ND	0.65		ND	0.64		ND	1.2		ND	3.5		2.7	1.2		ND	0.34	
Dimethyl phthalate	131-11-3	NS	MG/KG	ND	0.074		ND	4.4		ND	0.44		ND	0.39		ND	0.43		ND	0.43		ND	0.81		ND	2.3		ND	0.77		ND	0.22	
Di-n-butyl phthalate	84-74-2	4100	MG/KG	ND	0.074		ND	4.4		ND	0.44		ND	0.39		ND	0.43		ND	0.43		ND	0.81		ND	2.3		ND	0.77		0.46	0.22	J
Di-n-octylphthalate	117-84-0	10000	MG/KG	ND	0.074		ND	4.4		ND	0.44		ND	0.39		ND	0.43		ND	0.43		ND	0.81		ND	2.3		ND	0.77</				



Table 4-1  
Unsaturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Above Groundwater (Unsaturated)		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-012 05-MET-012S 08/18/05 1-1.5 1, 10			05-MET-021 05-MET-021S 08/15/05 1.5-2 1, 20			05-MET-040 05-MET-040S 08/22/05 1-1.5 1, 100, 5			05-MET-045 05-MET-045S 08/22/05 1.5-2 1, 2, 20, 5			05-MET-050 05-MET-050S 08/22/05 1.5-2 1, 20, 200			05-MET-056 05-MET-056S 08/23/05 0.5-1 1, 20, 200, 5			05-MET-060 05-MET-060S 08/16/05 1.5-2 1, 20			05-MET-064 05-MET-064S 08/15/05 0.5-1 1, 20			05-MET-099 05-MET-099S 08/09/05 1.25-1.75 1, 1000, 10			05-MET-114 05-MET-114S 08/08/05 0.75-1.25 1, 1000, 10		
	CAS #	0 - 2'	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
General Chemistry				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Cyanide	57-12-5	200	MG/KG	ND	0.2		ND	0.23		ND	0.23		ND	0.2		ND	0.23		ND	0.23		ND	0.21	J	0.21	0.2	J	3.6	0.2		ND	0.19	
Total Phenolics		NS	MG/KG	ND	1.3		ND	1.6		ND	1.6		ND	1.4		ND	1.5		ND	1.5		ND	1.5		ND	1.4	J	2.1	1.4		ND	1.3	
Moisture Content		NS	%	9.9	0.5		23.5	0.5		23.5	0.5		14.6	0.5		23.1	0.5		22.0	0.5		18.1	0.5		13.8	0.5		13.1	0.5		10.7	0.5	
Pesticides/PCBs																																	
Aldrin	309-00-2	0.44	MG/KG	ND	0.00189		ND	0.0133		ND	0.0222		ND	0.00398	0.0127	0.00442	J	ND	0.00436		ND	0.00415		ND	0.00394		ND	0.196		ND	0.19		
PCB-1016 (Arochlor 1016)	12674-11-2	200	MG/KG	ND	0.0821		ND	0.58		ND	0.967		ND	0.173	ND	0.192		ND	0.19		ND	0.181		ND	0.172		ND	8.52		ND	8.29		
PCB-1221 (Arochlor 1221)	11104-28-2	2.5	MG/KG	ND	0.0366		ND	0.259		ND	0.431		ND	0.0773	ND	0.0858		ND	0.0846		ND	0.0806		ND	0.0766		ND	3.8		ND	3.7		
PCB-1232 (Arochlor 1232)	11141-16-5	2	MG/KG	ND	0.0533		ND	0.376		ND	0.627		ND	0.112	ND	0.125		ND	0.123		ND	0.117		ND	0.111		ND	5.52		ND	5.38		
PCB-1242 (Arochlor 1242)	53469-21-9	62	MG/KG	ND	0.0333		ND	0.235		ND	0.392		ND	0.0703	ND	0.078		ND	0.0769		ND	0.0733		ND	0.0696		ND	3.45		ND	3.36		
PCB-1248 (Arochlor 1248)	12672-29-6	44	MG/KG	ND	0.122		ND	0.863		ND	1.44		ND	0.773	ND	0.286		ND	0.282		ND	0.269	J	0.765	0.255	J	26.1	12.7	J	15.8	12.3	J	
PCB-1254 (Arochlor 1254)	11097-69-1	44	MG/KG	ND	0.0366		ND	0.259		2.52	0.431		ND	0.398	ND	0.0858		0.533	0.0846		ND	0.0806		1.28	0.0766		34.8	3.8		22.5	3.7		
PCB-1260 (Arochlor 1260)	11096-82-5	130	MG/KG	ND	0.122		ND	0.863		ND	1.44		ND	0.773	ND	0.286		0.992	0.282		ND	0.269		1.93	0.255		75.1	12.7		65.9	12.3		
Alpha BHC	319-84-6	0.19	MG/KG	ND	0.00189		ND	0.0133		ND	0.0222		ND	0.00398	0.0297	0.00442		0.00608	0.00436	J	ND	0.00415		ND	0.00394		ND	0.196		ND	0.19		
Beta BHC	319-85-7	0.82	MG/KG	0.00278	0.00189	J	ND	0.0133		ND	0.0222		ND	0.00398	0.0288	0.00442		0.0105	0.00436	J	ND	0.00415		ND	0.0193		ND	0.196		ND	0.19		
Delta BHC	319-86-8	30	MG/KG	ND	0.00233		ND	0.0165		ND	0.0275		ND	0.00492	0.00789	0.00546	J	ND	0.00538		ND	0.00513		ND	0.00487		ND	0.242		ND	0.235		
Gamma BHC - Lindane	58-89-9	0.072	MG/KG	ND	0.00189		ND	0.0133		ND	0.0222		ND	0.00398	ND	0.00442		ND	0.00436		ND	0.00415		ND	0.00394		ND	0.196		ND	0.19		
Chlordane	57-74-9	49	MG/KG	ND	0.0444		ND	0.314		ND	0.523		ND	0.0937	ND	0.104		ND	0.103		ND	0.0977		ND	0.394		ND	4.6		ND	4.48		
p,p-DDD	72-54-8	30	MG/KG	ND	0.00366		ND	0.0259		ND	0.222	0.0372	0.00773	J	1.34	0.0858		2.34	0.0846		ND	0.00806		ND	0.00766		ND	0.38		ND	0.37		
p,p-DDE	72-55-9	170	MG/KG	0.0125	0.00366	J	ND	0.0259		ND	0.222	0.0254	0.00773	J	0.335	0.00858		0.198	0.00846		ND	0.00806		ND	0.0719		ND	1.4		ND	0.37		
p,p-DDT	50-29-3	230	MG/KG	0.0218	0.00366		ND	0.0259		0.402	0.0431		0.100	0.00773	0.302	0.0858	J	3.14	0.0846		ND	0.00806		ND	0.00766		ND	0.38		ND	0.37		
Dieldrin	60-57-1	0.44	MG/KG	ND	0.00366		ND	0.0259		ND	0.0431		0.112	0.00773	2.70	0.0858		ND	0.00846		ND	0.00806		ND	0.0452		ND	0.604		ND	0.37		
Endosulfan I	959-98-8	260	MG/KG	ND	0.00189		ND	0.0133		ND	0.0222		ND	0.00398	ND	0.00442		ND	0.00436		ND	0.00415		ND	0.00394		ND	0.196		ND	0.19		
Endosulfan II	33213-65-9	260	MG/KG	ND	0.00366		ND	0.0259		ND	0.0431		ND	0.00773	ND	0.00858		ND	0.00846		ND	0.00806		ND	0.00766		ND	0.38		ND	0.37		
Endosulfan Sulfate	1031-07-8	70	MG/KG	ND	0.00366		ND	0.0259		ND	0.0431		ND	0.00773	ND	0.00858		ND	0.00846		ND	0.00806		ND	0.00766		ND	0.38		ND	0.37		
Endrin	72-20-8	5.5	MG/KG	ND	0.00366		ND	0.0259		ND	0.0431		ND	0.00773	ND	0.00858		ND	0.00846		ND	0.00806		ND	0.00766		ND	0.472		ND	0.447		
Endrin Aldehyde	7421-93-4	NS	MG/KG	ND	0.00366		ND	0.0259		ND	0.0431		ND	0.00773	ND	0.00858		ND	0.0436		ND	0.00806		ND	0.08		ND	1.27		ND	1.06		
Heptachlor	76-44-8	0.68	MG/KG	ND	0.00189		ND	0.0133		ND	0.0222		ND	0.00398	ND	0.00442		ND	0.00436		ND	0.00415		ND	0.00394		ND	0.196		ND	0.19		
Heptachlor Epoxide	1024-57-3	1.1	MG/KG	ND	0.00189		ND	0.0133		ND	0.0222		ND	0.00398	ND	0.00442		ND	0.0245		ND	0.00415		ND	0.00394		ND	0.196		ND	0.19		
Methoxychlor	72-43-5	630	MG/KG	ND	0.0189		ND	0.133		ND	0.222		ND	0.0398	ND	0.0442		ND	0.0436		ND	0.0415		ND	0.0394		ND	1.96		ND	1.9		
Toxaphene	8001-35-2	1.2	MG/KG	ND	0.122		ND	0.863		ND	1.44		ND	0.258	ND	0.286		ND	0.282		ND	0.269		ND	0.255		ND	12.7		ND	12.3		
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	PG/G	NA			NA			NA			ND	1.2	NA			NA			NA			NA			NA			NA			
Metals																																	
Antimony	7440-36-0	27	MG/KG	ND	0.875		ND	1.04		3.13	1.05		ND	0.932	2.58	1.05		ND	1.04		ND	0.982		2.64	0.933		15.2	0.925		2.71	0.9		
Arsenic	7440-38-2	53	MG/KG	7.80	0.715		4.80	0.85		22.3	0.859		48.1	0.762	10.8	0.854		19.0	0.85		5.11	0.802		6.30	0.762	J	1.89	0.756	J	3.24	0.736		
Beryllium	7440-41-7	320	MG/KG	0.925	0.0459		0.480	0.0546	J	0.395	0.0551	J	0.230	0.0489	0.491	0.0548	J	1.09	0.0546		0.712	0.0515	J	0.364	0.0489	J	2.28	0.0485		10.5	0.0472		
Cadmium	7440-43-9	38	MG/KG	0.502	0.0918	J	0.269	0.10																									



## **Notes:**

Value exceeds PA ACT 2 Non-Residential Used Aquifer, TDS < 2500 Soil Medium Specific Concentration

\*\* - 2-Chloroethyl Vinyl Ether is an acid labile compound and could not be recovered in this sample due to the acid preservation of the sample

B- Compound was also detected in the blank

J- The reported concentration for this analyte is an estimated value

NA- Not Analyzed

ND- Not Detected above detection limit

NS- No PADEP standard

Sample 05-MET-007A is a duplicate sample of 05-MET-007

TICs- Tentatively identified compounds



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-001 05-MET-001 08/19/05 5.5-6 1, 32.4, 32.43, 324.25			05-MET-002 05-MET-002 08/17/05 4.5-5 1, 1.02			05-MET-003 05-MET-003 08/18/05 5.5-6 0.96, 1			05-MET-004 05-MET-004 08/16/05 2-2.5 0.99, 1			05-MET-005 05-MET-005 08/18/05 4.5-5 1, 53.5, 53.53			05-MET-006 05-MET-006 08/16/05 2.5-3 1, 1.03			05-MET-007 05-MET-007 08/15/05 5-5.5 10, 49, 49.02			05-MET-008 05-MET-008 08/19/05 11.5-12 0.79, 1		
	CAS #	0-2'	2-15'	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
VOs																												
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	0.85		ND	0.028		ND	0.024		ND	0.024		ND	1.3		ND	0.025		ND	1.3		ND	0.018	
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.17		ND	0.006		ND	0.005		ND	0.005		ND	0.25		ND	0.005		ND	0.26		ND	0.004	
Benzene	71-43-2	0.5	0.5	MG/KG	0.81	0.021		ND	0.0007		ND	0.0006		ND	0.0006		ND	0.032		0.024	0.0006		ND	0.033		ND	0.0005	
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
Bromoform	75-25-2	10	10	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
Bromomethane	74-83-9	1	1	MG/KG	ND	0.085		ND	0.003		ND	0.002		ND	0.002		ND	0.13		ND	0.002		ND	0.13		ND	0.002	
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
Chlorobenzene	108-90-7	10	10	MG/KG	0.12	0.043	J	ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	ND	0.085		**			**			**			ND	0.13		**			ND	0.13		**		
Chloroethane	75-00-3	90	90	MG/KG	ND	0.085		ND	0.003		ND	0.002		ND	0.002		ND	0.13		ND	0.002		ND	0.13		ND	0.002	
Chloroform	67-66-3	10	10	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.085		ND	0.003		ND	0.002		ND	0.002		ND	0.13		ND	0.002		ND	0.13		ND	0.002	
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
Ethylbenzene	100-41-4	70	70	MG/KG	19	0.42		ND	0.001		ND	0.001		ND	0.001		ND	0.063		0.001	0.001	J	0.98	0.065		ND	0.0009	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.021		ND	0.0007		ND	0.0006		ND	0.0006		ND	0.032		ND	0.0006		ND	0.033		ND	0.0005	
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.085		ND	0.003		ND	0.002		ND	0.002		ND	0.13		ND	0.002		ND	0.13		ND	0.002	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.085		ND	0.003		ND	0.002		ND	0.002		ND	0.13		ND	0.002		ND	0.13		ND	0.002	
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	0.85		ND	0.028		ND	0.024		ND	0.024		ND	1.3		ND	0.025		ND	1.3		ND	0.018	
Toluene	108-88-3	100	100	MG/KG	6.8	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		0.002	0.001	J	0.71	0.065		ND	0.0009	
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.043		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		ND	0.065		ND	0.0009	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	120	0.42		ND	0.001		ND	0.001		ND	0.001		ND	0.063		ND	0.001		6.0	0.065		0.010	0.0009	
VO TICs		NS	NS	MG/KG	24.02			0.391			0.006			0.083			12.74		3.09			22.82				9.19		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-008 05-MET-008V 08/19/05 14-14.5 0.91			05-MET-009 05-MET-009 08/15/05 10-10.5 49.2, 49.21			05-MET-010 05-MET-010 08/18/05 6.5-7 0.93, 1, 10			05-MET-011 05-MET-011 08/16/05 2-2.5 1, 1.09, 10			05-MET-012 05-MET-012 08/12/05 9-9.5 1, 1.01			05-MET-013 05-MET-013 08/15/05 3-3.5 270.56, 5, 54.1, 54.11			05-MET-014 05-MET-014 08/15/05 5.5-6 10, 49.5			05-MET-015 05-MET-015 08/15/05 10-10.5 0.99, 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																												
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	0.022		ND	1.2		ND	0.02		ND	0.027		ND	0.024		ND	1.4		ND	1.3		ND	0.025	
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.004		ND	0.23		ND	0.004		ND	0.005		ND	0.005		ND	0.27		ND	0.26		ND	0.005	
Benzene	71-43-2	0.5	0.5	MG/KG	ND	0.0006		ND	0.029		0.002	0.0005	J	ND	0.0007		0.006	0.0006	J	0.15	0.034	J	ND	0.032		0.007	0.0006	
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
Bromoform	75-25-2	10	10	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
Bromomethane	74-83-9	1	1	MG/KG	ND	0.002		ND	0.12		ND	0.002		ND	0.003		ND	0.002		ND	0.14		ND	0.13		ND	0.002	
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	**			ND	0.12		**			**			**			ND	0.14		ND	0.13		**		
Chloroethane	75-00-3	90	90	MG/KG	ND	0.002		ND	0.12		ND	0.002		ND	0.003		ND	0.002		ND	0.14		ND	0.13		ND	0.002	
Chloroform	67-66-3	10	10	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.002		ND	0.12		ND	0.002		ND	0.003		ND	0.002		ND	0.14		ND	0.13		ND	0.002	
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
Ethylbenzene	100-41-4	70	70	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		4.5	0.068		ND	0.064		ND	0.001	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.0006		ND	0.029		ND	0.0005		ND	0.0007		ND	0.0006		ND	0.034		ND	0.032		ND	0.0006	
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.002		ND	0.12		ND	0.002		ND	0.003		ND	0.002		ND	0.14		ND	0.13		ND	0.002	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.002		ND	0.12		ND	0.002		ND	0.003		ND	0.002		ND	0.14		ND	0.13		ND	0.002	
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	0.022		ND	1.2		ND	0.02		ND	0.027		ND	0.024		ND	1.4		ND	1.3		ND	0.025	
Toluene	108-88-3	100	100	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		34	0.34		ND	0.064		ND	0.001	
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		ND	0.068		ND	0.064		ND	0.001	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	0.001		ND	0.058		ND	0.001		ND	0.001		ND	0.001		22	0.068		ND	0.064		ND	0.001	
VO TICs		NS	NS	MG/KG	0.012			30.9			0.345			0.03			0.007			37.89			11.8			0.064		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-016 05-MET-016 08/16/05 4.5-5 1			05-MET-017 05-MET-017 08/18/05 7-7.5 0.89, 1			05-MET-018 05-MET-018 08/16/05 2.5-3 1, 1.48			05-MET-019 05-MET-019 08/12/05 5.5-6 1, 1.02, 5			05-MET-020 05-MET-020 08/15/05 2.5-3 10, 32.4, 32.43			05-MET-021 05-MET-021 08/15/05 8.5-9 10, 47.98, 48			05-MET-021 05-MET-021A 08/15/05 8.5-9 10, 47.89, 47.9			05-MET-022 05-MET-022 08/15/05 5-5.5 1, 48.17, 48.2		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																												
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	0.024		ND	0.022		ND	0.033		ND	0.028		ND	0.83		ND	1.3		ND	1.3		ND	1.2	
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.005		ND	0.004		ND	0.007		ND	0.006		ND	0.17		ND	0.26		ND	0.25		ND	0.24	
Benzene	71-43-2	0.5	0.5	MG/KG	0.0006	0.0006	J	ND	0.0006		0.015	0.0008		ND	0.0007		0.10	0.021	J	0.079	0.033	J	ND	0.032		ND	0.03	
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
Bromoform	75-25-2	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
Bromomethane	74-83-9	1	1	MG/KG	ND	0.002		ND	0.002		ND	0.003		ND	0.003		ND	0.083		ND	0.13		ND	0.13		ND	0.12	
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	**			**			**			**			ND	0.083		ND	0.13		ND	0.13		ND	0.12	
Chloroethane	75-00-3	90	90	MG/KG	ND	0.002		ND	0.002		ND	0.003		ND	0.003		ND	0.083		ND	0.13		ND	0.13		ND	0.12	
Chloroform	67-66-3	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.002		ND	0.002		ND	0.003		ND	0.003		ND	0.083		ND	0.13		ND	0.13		ND	0.12	
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.001		ND	0.001		ND	0.002		0.002	0.001	J	ND	0.042		3.6	0.065		2.3	0.064		ND	0.061	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		0.36	0.065		0.29	0.064	J	ND	0.061	
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
Ethylbenzene	100-41-4	70	70	MG/KG	0.002	0.001	J	0.003	0.001	J	ND	0.002		ND	0.001		0.16	0.042	J	0.16	0.065	J	0.11	0.064	J	ND	0.061	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.0006		ND	0.0006		ND	0.0008		ND	0.0007		ND	0.021		ND	0.033		ND	0.032		ND	0.03	
Methylene chloride	75-09-2	0.5	0.5	MG/KG	0.006	0.002	J	ND	0.002		ND	0.003		ND	0.003		ND	0.083		ND	0.13		ND	0.13		ND	0.12	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.001		ND	0.001		ND	0.002		0.002	0.001	J	ND	0.042		0.63	0.065		0.55	0.064		ND	0.061	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		ND	0.065		ND	0.064		ND	0.061	
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.001		ND	0.001		ND	0.002		0.001	0.001	J	ND	0.042		0.19	0.065	J	0.16	0.064	J	ND	0.061	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.002		ND	0.002		ND	0.003		ND	0.003		ND	0.083		ND	0.13		ND	0.13		ND	0.12	
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	0.024		ND	0.022		ND	0.033		ND	0.028		ND	0.83		ND	1.3		ND	1.3		ND	1.2	
Toluene	108-88-3	100	100	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		0.25	0.042		0.18	0.065	J	0.12	0.064	J	ND	0.061	
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.042		1.3	0.065		0.74	0.064		ND	0.061	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	0.001		0.028	0.001		ND	0.002		ND	0.001		0.83	0.042		0.57	0.065		0.44	0.064		ND	0.061	
VO TICs		NS	NS	MG/KG	3.88			10.99			0.01			0.191			24.04			23.3			21.21			8.87		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-023 05-MET-023 08/15/05 5.5-6 1			05-MET-024 05-MET-024 08/15/05 2-2.5 1, 1.07, 10			05-MET-025 05-MET-025 08/17/05 2.5-3 10, 48.08, 48.1			05-MET-026 05-MET-026S 08/17/05 1.5-2 1, 1.17, 10			05-MET-026 05-MET-026 08/17/05 3.5-4 0.96, 1, 10			05-MET-027 05-MET-027 08/18/05 19-19.5 36.76, 36.8, 5			05-MET-028 05-MET-028 08/19/05 8-8.5 0.87, 1			05-MET-029 05-MET-029 08/18/05 2.5-3 1, 1.02		
	CAS #	0-2'	2-15'	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
VOs																												
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	0.025		ND	0.024		ND	1.2		ND	0.031		ND	0.024		ND	0.91		ND	0.021		ND	0.025	
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.005		ND	0.005		ND	0.23		ND	0.006		ND	0.005		ND	0.18		ND	0.004		ND	0.005	
Benzene	71-43-2	0.5	0.5	MG/KG	ND	0.0006		0.0006	0.0006	J	ND	0.029		0.006	0.0008	J	ND	0.0006		ND	0.023		ND	0.0005		ND	0.0006	
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
Bromoform	75-25-2	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
Bromomethane	74-83-9	1	1	MG/KG	ND	0.002		ND	0.002		ND	0.12		ND	0.003		ND	0.002		ND	0.091		ND	0.002		ND	0.003	
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.058		0.002	0.002	J	ND	0.001		ND	0.046		ND	0.001		ND	0.001	
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	**			**			ND	0.12		**			**			ND	0.091		**			**		
Chloroethane	75-00-3	90	90	MG/KG	ND	0.002		ND	0.002		ND	0.12		ND	0.003		ND	0.002		ND	0.091		ND	0.002		ND	0.003	
Chloroform	67-66-3	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.002		ND	0.002		ND	0.12		ND	0.003		ND	0.002		ND	0.091		ND	0.002		ND	0.003	
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.001		ND	0.001		ND	0.058		0.009	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.001		ND	0.001		ND	0.058		0.005	0.002	J	ND	0.001		ND	0.046		ND	0.001		ND	0.001	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
Ethylbenzene	100-41-4	70	70	MG/KG	ND	0.001		ND	0.001		0.86	0.058		0.031	0.002		0.003	0.001	J	1.6	0.046		0.002	0.001	J	ND	0.001	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.0006		ND	0.0006		ND	0.029		ND	0.0008		ND	0.0006		ND	0.023		ND	0.0005		ND	0.0006	
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.12		ND	0.003		ND	0.002		ND	0.091		ND	0.002		ND	0.003	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.001		ND	0.001		ND	0.058		0.002	0.002	J	ND	0.001		ND	0.046		ND	0.001		ND	0.001	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.001		ND	0.001		ND	0.058		0.005	0.002	J	ND	0.001		ND	0.046		ND	0.001		ND	0.001	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.002		ND	0.002		ND	0.12		ND	0.003		ND	0.002		ND	0.091		ND	0.002		ND	0.003	
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	0.025		ND	0.024		ND	1.2		ND	0.031		ND	0.024		ND	0.91		ND	0.021		ND	0.025	
Toluene	108-88-3	100	100	MG/KG	ND	0.001		ND	0.001		1.8	0.058		0.008	0.002		ND	0.001		0.34	0.046		ND	0.001		ND	0.001	
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.001		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.046		ND	0.001		ND	0.001	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	0.001		ND	0.001		11	0.058		0.26	0.002		0.004	0.001	J	6.5	0.046		0.001	0.001	J	ND	0.001	
VO TICs		NS	NS	MG/KG	1.633			0.31			45.4			4.74			11.82			59			4.49			0.006		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-030 05-MET-030 08/18/05 6.75-7.25 0.89, 1			05-MET-031 05-MET-031 08/11/05 10.5-11 1, 49.6			05-MET-032 05-MET-032 08/11/05 4.5-5 5, 519.75, 519.8			05-MET-033 05-MET-033 08/11/05 8.5-9 1, 99.4			05-MET-034 05-MET-034 08/18/05 12.75-13.25 38.1, 38.11			05-MET-034 05-MET-034V 08/18/05 22.5-23 0.96, 1			05-MET-035 05-MET-035 08/18/05 6.5-7 41.6, 5			05-MET-036 05-MET-036 08/18/05 15.5-16 0.8, 1					
	CAS #	0-2'	2-15'	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
VOs																															
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	0.022		ND	1.2		ND	13		ND	2.6		ND	0.9		ND	0.025		ND	1.2		ND	0.02				
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.004		ND	0.25		ND	2.7		ND	0.53		ND	0.18		ND	0.005		ND	0.24		ND	0.004				
Benzene	71-43-2	0.5	0.5	MG/KG	ND	0.0005		ND	0.031		ND	0.34		ND	0.066		0.18	0.022	J	0.0009	0.0006	J	0.037	0.029	J	ND	0.0005				
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
Bromoform	75-25-2	10	10	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
Bromomethane	74-83-9	1	1	MG/KG	ND	0.002		ND	0.12		ND	1.3		ND	0.26		ND	0.09		ND	0.003		ND	0.12		ND	0.002				
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	**			ND	0.12		ND	1.3		ND	0.26		ND	0.09		**			ND	0.12		ND	**				
Chloroethane	75-00-3	90	90	MG/KG	ND	0.002		ND	0.12		ND	1.3		ND	0.26		ND	0.09		ND	0.003		ND	0.12		ND	0.002				
Chloroform	67-66-3	10	10	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.002		ND	0.12		ND	1.3		ND	0.26		ND	0.09		ND	0.003		ND	0.12		ND	0.002				
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
Ethylbenzene	100-41-4	70	70	MG/KG	ND	0.001		ND	0.062		ND	0.67		0.57	0.13	J	1.3	0.045		0.001	0.001	J	0.63	0.059		ND	0.001				
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.0005		ND	0.031		ND	0.34		ND	0.066		ND	0.022		ND	0.0006		ND	0.029		ND	0.0005				
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.002		ND	0.12		ND	1.3		ND	0.26		ND	0.09		ND	0.003		ND	0.12		ND	0.002				
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.002		ND	0.12		ND	1.3		ND	0.26		ND	0.09		ND	0.003		ND	0.12		ND	0.002				
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	0.022		ND	1.2		ND	13		ND	2.6		ND	0.9		ND	0.025		ND	1.2		ND	0.02				
Toluene	108-88-3	100	100	MG/KG	ND	0.001		ND	0.062		1.2	0.67	J	ND	0.13		0.12	0.045	J	ND	0.001		0.45	0.059		ND	0.001				
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.001		ND	0.062		ND	0.67		ND	0.13		ND	0.045		ND	0.001		ND	0.059		ND	0.001				
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	0.001		ND	0.062		1.5	0.67	J	1.1	0.13		3.3	0.045		0.002	0.001	J	3.1	0.059		ND	0.001				
VO TICs		NS	NS	MG/KG	2.09			28			4.5			106.2			45.3			0.019			17.86			0.505					



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-037 05-MET-037 08/19/05 4-4.5 1, 1.04			05-MET-038 05-MET-038 08/19/05 4.5-5 1, 1.07			05-MET-039 05-MET-039 08/19/05 2.5-3 1, 1.09			05-MET-041 05-MET-041 08/23/05 2-2.5 1, 1.21			05-MET-042 05-MET-042 08/19/05 2-2.5 1, 1.1			05-MET-042 05-MET-042A 08/19/05 2-2.5 0.97, 1			05-MET-043 05-MET-043 08/19/05 4-4.5 1, 1.03			05-MET-044 05-MET-044 08/22/05 4.5-5 1, 1.11, 5		
	CAS #	0-2'	2-15'	Units	Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier		
VOs																												
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	0.028		ND	0.033		ND	0.027		ND	0.03		ND	0.027		ND	0.024		ND	0.028		ND	0.031	
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.006		ND	0.007		ND	0.005		ND	0.006		ND	0.005		ND	0.005		ND	0.006		ND	0.006	
Benzene	71-43-2	0.5	0.5	MG/KG	ND	0.0007		ND	0.0008		ND	0.0007		ND	0.0008		ND	0.0007		ND	0.0006		ND	0.0007		ND	0.0008	
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
Bromoform	75-25-2	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
Bromomethane	74-83-9	1	1	MG/KG	ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.002		ND	0.003		ND	0.003	
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.001		0.021	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	**			**			**			**			**			**			**			**		
Chloroethane	75-00-3	90	90	MG/KG	ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.002		ND	0.003		ND	0.003	
Chloroform	67-66-3	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		0.004	0.001	J	0.002	0.001	J	ND	0.001		ND	0.002	
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.002		ND	0.003		ND	0.003	
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.001		0.010	0.002		ND	0.001		ND	0.002		0.003	0.001	J	0.003	0.001	J	ND	0.001		ND	0.002	
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
Ethylbenzene	100-41-4	70	70	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.0007		ND	0.0008		ND	0.0007		ND	0.0008		ND	0.0007		ND	0.0006		ND	0.0007		ND	0.0008	
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.003		0.008	0.003	J	ND	0.003		ND	0.003		ND	0.003		ND	0.002		ND	0.003		ND	0.003	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.001		0.014	0.002		ND	0.001		ND	0.002		0.002	0.001	J	ND	0.001		ND	0.001		ND	0.002	
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.001		0.006	0.002	J	ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.002		ND	0.003		ND	0.003	
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	0.028		0.045	0.033	J	ND	0.027		ND	0.03		ND	0.027		ND	0.024		ND	0.028		ND	0.031	
Toluene	108-88-3	100	100	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		0.002	0.001	J	ND	0.001		ND	0.001		ND	0.002	
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		0.005	0.001	J	ND	0.001		ND	0.001		ND	0.002	
VO TICs		NS	NS	MG/KG	4.646			0.059			0.04			0.028			1.164			0.22			3.023			2.208		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-046 05-MET-046 08/23/05 5.5-6 0.92, 1			05-MET-047 05-MET-047 08/19/05 2-2.5 1, 1.32			05-MET-048 05-MET-048 08/22/05 4.5-5 1, 1.37, 5			05-MET-049 05-MET-049 08/22/05 4.5-5 1, 1.02			05-MET-049 05-MET-049A 08/22/05 4.5-5 1, 1.04			05-MET-051 05-MET-051 08/22/05 4.5-5 1, 1.39, 5			05-MET-052 05-MET-052 08/23/05 4-4.5 1, 1.15			05-MET-052 05-MET-052V 08/23/05 15-15.5 0.92, 1						
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	
VOs																																
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	0.022		ND	0.033		ND	0.035		ND	0.025		ND	0.026		ND	0.037		ND	0.035		ND	0.022		ND	0.022		
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.004		ND	0.007		ND	0.007		ND	0.005		ND	0.005		ND	0.007		ND	0.007		ND	0.004		ND	0.004		
Benzene	71-43-2	0.5	0.5	MG/KG	ND	0.0005		ND	0.0008		ND	0.0009		ND	0.0006		ND	0.0007		ND	0.0009		ND	0.0009		ND	0.0005		ND	0.0005		
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Bromoform	75-25-2	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Bromomethane	74-83-9	1	1	MG/KG	ND	0.002		ND	0.003		ND	0.004		ND	0.003		ND	0.003		ND	0.004		ND	0.004		ND	0.002		ND	0.002		
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	**			**			**			**			**			**			**			**		ND	0.001		ND	0.001
Chloroethane	75-00-3	90	90	MG/KG	ND	0.002		ND	0.003		ND	0.004		ND	0.003		ND	0.003		ND	0.004		ND	0.004		ND	0.002		ND	0.002		
Chloroform	67-66-3	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.002		ND	0.003		ND	0.004		ND	0.003		ND	0.003		ND	0.004		ND	0.004		ND	0.002		ND	0.002		
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Ethylbenzene	100-41-4	70	70	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.0005		ND	0.0008		ND	0.0009		ND	0.0006		ND	0.0007		ND	0.0009		ND	0.0009		ND	0.0005		ND	0.0005		
Methylene chloride	75-09-2	0.5	0.5	MG/KG	0.002	0.002	J	ND	0.003		ND	0.004		ND	0.003		ND	0.003		ND	0.004		ND	0.004		0.003	0.002	J	ND	0.002	J	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.002		ND	0.003		ND	0.004		ND	0.003		ND	0.003		ND	0.004		ND	0.004		ND	0.002		ND	0.002		
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	0.022		ND	0.033		ND	0.035		ND	0.025		ND	0.026		ND	0.037		ND	0.035		ND	0.022		ND	0.022		
Toluene	108-88-3	100	100	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.002		ND	0.001		ND	0.001		
VO TICs		NS	NS	MG/KG	0.065			12.827			1.612			0.051			0.011			0.024			0.021			0.011						



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-053 05-MET-053 08/23/05 5.5-6 1, 1.36			05-MET-054 05-MET-054 08/23/05 2-2.5 1, 1.45			05-MET-055 05-MET-055 08/23/05 5-5.5 1, 1.29			05-MET-056 05-MET-056 08/23/05 4.5-5 1, 1.25			05-MET-057 05-MET-057 08/16/05 10.5-11 0.82, 1			05-MET-058 05-MET-058 08/17/05 12.5-13 1, 35.8, 35.82			05-MET-059 05-MET-059 08/17/05 17-17.5 10, 37.3, 37.31			05-MET-059 05-MET-059V 08/17/05 22.5-23 0.93, 1			
	CAS #	0-2'	2-15'	Units	Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier						
VOs																													
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	0.041		ND	0.037		ND	0.034		ND	0.028		ND	0.02		ND	0.86		ND	0.86		ND	0.023		
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.008		ND	0.007		ND	0.007		ND	0.006		ND	0.004		ND	0.17		ND	0.17		ND	0.005		
Benzene	71-43-2	0.5	0.5	MG/KG	ND	0.001		0.003	0.0009	J	ND	0.0008		ND	0.0007		0.001	0.0005	J	ND	0.022		0.22	0.022		0.008	0.0006		
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
Bromoform	75-25-2	10	10	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
Bromomethane	74-83-9	1	1	MG/KG	ND	0.004		ND	0.004		ND	0.003		ND	0.003		ND	0.002		ND	0.086		ND	0.086		ND	0.002		
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	**			**			**			**			**			ND	0.086		ND	0.086		**			
Chloroethane	75-00-3	90	90	MG/KG	ND	0.004		ND	0.004		ND	0.003		ND	0.003		ND	0.002		ND	0.086		ND	0.086		ND	0.002		
Chloroform	67-66-3	10	10	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.004		ND	0.004		ND	0.003		ND	0.003		ND	0.002		ND	0.086		ND	0.086		ND	0.002		
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		0.001	0.001	J	ND	0.043		ND	0.043		ND	0.001		
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
Ethylbenzene	100-41-4	70	70	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		0.009	0.001		0.046	0.043	J	0.097	0.043	J	ND	0.001		
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.001		ND	0.0009		ND	0.0008		ND	0.0007		ND	0.0005		ND	0.022		ND	0.022		ND	0.0006		
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.004		ND	0.004		ND	0.003		ND	0.003		ND	0.002		ND	0.086		ND	0.086		ND	0.002		
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.004		ND	0.004		ND	0.003		ND	0.003		ND	0.002		ND	0.086		ND	0.086		ND	0.002		
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	0.041		ND	0.037		ND	0.034		ND	0.028		0.084	0.02	J	ND	0.86		ND	0.86		ND	0.023		
Toluene	108-88-3	100	100	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		0.003	0.001	J	ND	0.043		0.078	0.043	J	ND	0.001		
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.001		ND	0.043		ND	0.043		ND	0.001		
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	0.002		ND	0.002		ND	0.002		ND	0.001		0.021	0.001		0.050	0.043	J	2.9	0.043		0.003	0.001	J	
VO TICs		NS	NS	MG/KG	0.084			0.065			0.065			0.05			8.29			257			96.8			0.023			



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-060 05-MET-060 08/16/05 5.5-6 10, 38.4			05-MET-060 05-MET-060B 08/16/05 16.5-17 10, 31.1, 31.13			05-MET-060 05-MET-060V 08/16/05 34-34.5 0.93, 1			05-MET-061 05-MET-061 08/15/05 7.5-8 10, 401.28			05-MET-062 05-MET-062 08/15/05 5.25-5.75 10, 807.75			05-MET-063 05-MET-063 08/15/05 1.75-2.25 10, 229.78, 229.8			05-MET-065 05-MET-065 08/15/05 11.75-12.25 10, 29.5, 29.52			05-MET-065 05-MET-065A 08/15/05 11.75-12.25 1, 37.48, 37.5				
	CAS #	0-2'	2-15'	Units	Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier							
VOs																														
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	0.96		ND	0.77		ND	0.023		ND	12		ND	22		ND	6		ND	0.72		ND	0.93			
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.19		ND	0.15		ND	0.005		ND	2.3		ND	4.4		ND	1.2		ND	0.14		ND	0.19			
Benzene	71-43-2	0.5	0.5	MG/KG	0.16	0.024	J	0.32	0.019		0.080	0.0006		ND	0.29		ND	0.55		ND	0.15		0.23	0.018		0.17	0.023		J	
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
Bromoform	75-25-2	10	10	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
Bromomethane	74-83-9	1	1	MG/KG	ND	0.096		ND	0.077		ND	0.002		ND	1.2		ND	2.2		ND	0.6		ND	0.072		ND	0.093			
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	ND	0.096		ND	0.077		**			ND	1.2		ND	2.2		ND	0.6		ND	0.072		ND	0.093			
Chloroethane	75-00-3	90	90	MG/KG	ND	0.096		ND	0.077		ND	0.002		ND	1.2		ND	2.2		ND	0.6		ND	0.072		ND	0.093			
Chloroform	67-66-3	10	10	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.096		ND	0.077		ND	0.002		ND	1.2		ND	2.2		ND	0.6		ND	0.072		ND	0.093			
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.048		ND	0.039		ND	0.001		4.1	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
Ethylbenzene	100-41-4	70	70	MG/KG	1.5	0.048		0.99	0.039		0.007	0.001		ND	0.58		3.0	1.1	J	14	0.3		1.8	0.036		1.5	0.046			
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.024		ND	0.019		ND	0.0006		ND	0.29		ND	0.55		ND	0.15		ND	0.018		ND	0.023			
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.096		ND	0.077		ND	0.002		ND	1.2		ND	2.2		ND	0.6		ND	0.072		ND	0.093			
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	0.17	0.048	J	ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		2.7	0.3		ND	0.036		ND	0.046			
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.048		ND	0.039		ND	0.001		2.4	0.58	J	ND	1.1		ND	0.3		ND	0.036		ND	0.046			
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.096		ND	0.077		ND	0.002		ND	1.2		ND	2.2		ND	0.6		ND	0.072		ND	0.093			
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	0.96		ND	0.77		ND	0.023		ND	12		ND	22		ND	6		ND	0.72		ND	0.93			
Toluene	108-88-3	100	100	MG/KG	0.24	0.048		0.85	0.039		0.052	0.001		ND	0.58		9.9	1.1		27	0.3		1.2	0.036		0.95	0.046			
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.048		ND	0.039		ND	0.001		ND	0.58		ND	1.1		ND	0.3		ND	0.036		ND	0.046			
Xylenes (total)	1330-20-7	1000	1000	MG/KG	4.4	0.048		4.4	0.039		0.032	0.001		0.59	0.58	J	13	1.1		64	0.3		6.5	0.036		5.4	0.046			
VO TICs		NS	NS	MG/KG	163.3			81.8			0.087			ND			ND			1065			76.2			83.9				



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-065 05-MET-065B 08/15/05 21.25-21.75 10, 40.65, 40.7			05-MET-065 05-MET-065V 08/15/05 29-29.5 35.3, 35.31			05-MET-066 05-MET-066 08/16/05 13.5-14 10, 36.08, 36.1			05-MET-068 05-MET-068 08/17/05 15-15.5 1, 34.15, 34.2			05-MET-069 05-MET-069 08/17/05 15-15.5 1, 35.56, 35.6			05-MET-071 05-MET-071 08/22/05 10.25-10.75 0.94, 1, 5			05-MET-072 05-MET-072 08/22/05 4-4.5 311.3, 311.33, 5			05-MET-074 05-MET-074 08/22/05 6.75-7.25 1, 1.61, 10			
	CAS #	0-2'	2-15'	Units	Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier						
VOs																													
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	1		ND	0.81		ND	0.84		ND	0.79		ND	0.84		ND	0.027		ND	7.7		ND	0.045		
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.2		ND	0.16		ND	0.17		ND	0.16		ND	0.17		ND	0.005		ND	1.5		ND	0.009		
Benzene	71-43-2	0.5	0.5	MG/KG	0.53	0.025		0.49	0.02		ND	0.021		ND	0.02		ND	0.021		ND	0.0007		0.41	0.19	J	0.013	0.001		
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.05		ND	0.042		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
Bromoform	75-25-2	10	10	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
Bromomethane	74-83-9	1	1	MG/KG	ND	0.1		ND	0.081		ND	0.084		ND	0.079		ND	0.084		ND	0.003		ND	0.77		ND	0.005		
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	ND	0.1		ND	0.081		ND	0.084		ND	0.079		ND	0.084		**			ND	0.77		**			
Chloroethane	75-00-3	90	90	MG/KG	ND	0.1		ND	0.081		ND	0.084		ND	0.079		ND	0.084		ND	0.003		ND	0.77		ND	0.005		
Chloroform	67-66-3	10	10	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.1		ND	0.081		ND	0.084		ND	0.079		ND	0.084		ND	0.003		ND	0.77		ND	0.005		
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		0.002	0.002	J	
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		3.8	0.39		0.003	0.002	J	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
Ethylbenzene	100-41-4	70	70	MG/KG	3.9	0.05		1.4	0.041		0.068	0.042	J	0.040	0.039	J	0.12	0.042	J	ND	0.001		42	0.39		0.13	0.002		
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.025		ND	0.02		ND	0.021		ND	0.02		ND	0.021		ND	0.0007		ND	0.19		ND	0.001		
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.1		ND	0.081		ND	0.084		ND	0.079		ND	0.084		ND	0.003		ND	0.77		ND	0.005		
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		0.53	0.39	J	0.004	0.002	J	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		ND	0.002		
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		1.4	0.39	J	0.008	0.002	J	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.1		ND	0.081		ND	0.084		ND	0.079		ND	0.084		ND	0.003		ND	0.77		ND	0.005		
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	1		ND	0.81		ND	0.84		ND	0.79		ND	0.84		ND	0.027		ND	7.7		0.17	0.045	J	
Toluene	108-88-3	100	100	MG/KG	4.3	0.05		2.4	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		4.0	0.39		0.18	0.002		
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.05		ND	0.041		ND	0.042		ND	0.039		ND	0.042		ND	0.001		ND	0.39		0.003	0.002	J	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	19	0.05		7.3	0.041		1.4	0.042		ND	0.039		ND	0.042		ND	0.001		39	0.39		0.85	0.002		
VO TICs		NS	NS	MG/KG	291			72			78.8			10.41			17.76			3.908			176.1			24.11			



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-075 05-MET-075 08/22/05 3.75-4.25 80.5, 80.52			05-MET-075 05-MET-075V 08/22/05 12.5-13 0.85, 1			05-MET-076 05-MET-076 08/17/05 4.5-5 1, 1.22, 10			05-MET-076 05-MET-076A 08/17/05 4.5-5 0.97, 1, 10			05-MET-079 05-MET-079S 08/17/05 1.5-2 1, 1.06, 10			05-MET-079 05-MET-079 08/17/05 2-2.5 1, 1.24, 10			05-MET-080 05-MET-080 08/17/05 8.5-9 1, 1.01, 10			05-MET-081 05-MET-081 08/12/05 2.5-3 1, 1.06, 10		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																												
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	2.3		ND	0.021		ND	0.031		ND	0.029		ND	0.03		ND	0.035		ND	0.026		ND	0.025	
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.47		ND	0.004		ND	0.006		ND	0.006		ND	0.006		ND	0.007		ND	0.005		ND	0.005	
Benzene	71-43-2	0.5	0.5	MG/KG	0.11	0.059	J	ND	0.0005		0.001	0.0008	J	0.002	0.0007	J	0.009	0.0007		ND	0.0009		ND	0.0006		0.006	0.0006	J
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.12		ND	0.001		ND	0.001		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
Bromoform	75-25-2	10	10	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.001		ND	0.002		ND	0.001	
Bromomethane	74-83-9	1	1	MG/KG	ND	0.23		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.003	
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		0.004	0.001	J	ND	0.002		ND	0.001		0.005	0.001	J
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	ND	0.23		**			**			**			**			**			**			**		
Chloroethane	75-00-3	90	90	MG/KG	ND	0.23		ND	0.002		0.030	0.003		0.031	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.003	
Chloroform	67-66-3	10	10	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.23		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.003	
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.12		ND	0.001		0.004	0.002	J	0.005	0.001	J	ND	0.001		ND	0.002		ND	0.001		0.004	0.001	J
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		0.066	0.001	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		0.011	0.001	
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
Ethylbenzene	100-41-4	70	70	MG/KG	1.1	0.12		ND	0.001		0.003	0.002	J	0.008	0.001		0.036	0.001		ND	0.002		ND	0.001		0.008	0.001	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.059		ND	0.0005		ND	0.0008		ND	0.0007		ND	0.0007		ND	0.0009		ND	0.0006		ND	0.0006	
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.23		ND	0.002		0.004	0.003	J	ND	0.003		ND	0.003		ND	0.003		ND	0.003		0.003	0.003	J
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.12		ND	0.001		ND	0.002		0.002	0.001	J	ND	0.001		ND	0.002		ND	0.001		0.048	0.001	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		0.031	0.001	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.23		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.003		ND	0.003	
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	2.3		ND	0.021		ND	0.031		ND	0.029		0.039	0.03	J	ND	0.035		ND	0.026		ND	0.025	
Toluene	108-88-3	100	100	MG/KG	0.24	0.12	J	ND	0.001		0.005	0.002	J	0.007	0.001	J	0.030	0.001		ND	0.002		ND	0.001		0.024	0.001	
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.12		ND	0.001		ND	0.002		ND	0.001		ND	0.001		ND	0.002		ND	0.001		ND	0.001	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	19	0.12		ND	0.001		0.009	0.002		0.013	0.001		0.29	0.001		ND	0.002		0.065	0.001		0.022	0.001	
VO TICs		NS	NS	MG/KG	32.39			ND			4.594			5.236			1.67			1.359			12.4			1.689		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-082 05-MET-082 08/12/05 2.25-2.75 197.16, 197.2, 1971.61, 5			05-MET-083 05-MET-083 08/12/05 2.5-3 170.3, 1703, 5			05-MET-084 05-MET-084 08/12/05 7-7.5 0.74, 1, 10			05-MET-085 05-MET-085 08/12/05 7.5-8 0.83, 1			05-MET-086 05-MET-086 08/12/05 2.5-3 49.2, 49.21			05-MET-087 05-MET-087 08/11/05 4-4.5 1, 1.11, 5			05-MET-088 05-MET-088 08/11/05 3-3.5 5, 68.78, 68.8			05-MET-089 05-MET-089 08/12/05 5-5.5 0.99, 1, 10		
	CAS #	0-2'	2-15'	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
VOs					Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	4.4		ND	4.2		ND	0.018		ND	0.02		ND	1.1		ND	0.03		ND	1.8		ND	0.028	
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.88		ND	0.83		ND	0.004		ND	0.004		ND	0.23		ND	0.006		ND	0.36		ND	0.006	
Benzene	71-43-2	0.5	0.5	MG/KG	0.85	0.11	J	1.5	0.1		0.002	0.0004	J	0.016	0.0005		0.093	0.029	J	ND	0.0008		ND	0.045		0.0009	0.0007	J
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
Bromoform	75-25-2	10	10	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
Bromomethane	74-83-9	1	1	MG/KG	ND	0.44		ND	0.42		ND	0.002		ND	0.002		ND	0.11		ND	0.003		ND	0.18		ND	0.003	
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
Chlorobenzene	108-90-7	10	10	MG/KG	2.2	0.22		3.4	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	ND	0.44		ND	0.42		**			**			ND	0.11	**	ND	0.002		ND	0.18	**	ND	0.001	
Chloroethane	75-00-3	90	90	MG/KG	ND	0.44		ND	0.42		ND	0.002		ND	0.002		ND	0.11		ND	0.003		ND	0.18		ND	0.003	
Chloroform	67-66-3	10	10	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.44		ND	0.42		ND	0.002		ND	0.002		ND	0.11		ND	0.003		ND	0.18		ND	0.003	
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
1,1-Dichloroethane	75-34-3	11	11	MG/KG	3.8	0.22		1.8	0.21		ND	0.0009		ND	0.001		ND	0.057	0.004	0.002	J	ND	0.091		ND	0.001		
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	2.9	0.22		0.55	0.21	J	ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		0.086	0.001	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
Ethylbenzene	100-41-4	70	70	MG/KG	54	0.22		60	2.1		0.001	0.0009	J	0.002	0.001	J	0.40	0.057		ND	0.002		0.96	0.091		ND	0.001	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.11		ND	0.1		ND	0.0004		ND	0.0005		ND	0.029		ND	0.0008		ND	0.045		ND	0.0007	
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.44		ND	0.42		ND	0.002		ND	0.002		ND	0.11		ND	0.003		ND	0.18		ND	0.003	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.22		ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	0.24	0.22	J	ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		ND	0.001	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.44		ND	0.42		ND	0.002		ND	0.002		ND	0.11		ND	0.003		ND	0.18		ND	0.003	
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	4.4		ND	4.2		ND	0.018		ND	0.02		ND	1.1		ND	0.03		ND	1.8		ND	0.028	
Toluene	108-88-3	100	100	MG/KG	93	2.2		120	2.1		0.003	0.0009	J	0.034	0.001		1.0	0.057		ND	0.002		1.3	0.091		ND	0.001	
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	0.40	0.22	J	ND	0.21		ND	0.0009		ND	0.001		ND	0.057		ND	0.002		ND	0.091		0.094	0.001	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	160	2.2		180	2.1		0.006	0.0009		0.010	0.001		5.3	0.057		ND	0.002		2.3	0.091		ND	0.001	
VO TICs		NS	NS	MG/KG	278.2			192.6			5.474			16.408			87.1			0.676			11.68			3.3		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-090 05-MET-090 08/12/05 3-3.5 1, 1.75			05-MET-090 05-MET-090A 08/12/05 3-3.5 1, 1.18, 5			05-MET-091 05-MET-091 08/12/05 10.5-11 0.83, 1			05-MET-092 05-MET-092 08/09/05 7.5-8 1, 67.57, 67.6			05-MET-093 05-MET-093 08/11/05 6.5-7 1, 1.35			05-MET-094 05-MET-094 08/11/05 5.5-6 1, 1.26			05-MET-095 05-MET-095 08/10/05 12.5-13 1, 1.13, 5			05-MET-096 05-MET-096 08/10/05 8.75-9.25 10, 373.69, 373.7					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																															
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	0.05		ND	0.029		ND	0.02		ND	4.1		ND	0.063		ND	0.048		ND	0.031		ND	10				
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.01		ND	0.006		ND	0.004		ND	0.83		ND	0.013		ND	0.01		ND	0.006		ND	2				
Benzene	71-43-2	0.5	0.5	MG/KG	0.002	0.001	J	0.002	0.0007	J	0.16	0.0005		ND	0.1	0.009	0.002	J	0.009	0.001	J	ND	0.0008		ND	0.25					
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
Bromofom	75-25-2	10	10	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
Bromomethane	74-83-9	1	1	MG/KG	ND	0.005		ND	0.003		ND	0.002		ND	0.41		ND	0.006		ND	0.005		ND	0.003		ND	1				
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	**			**			**			ND	0.41	**	**		**		**		**		**		ND	1			
Chloroethane	75-00-3	90	90	MG/KG	ND	0.005		ND	0.003		ND	0.002		ND	0.41		ND	0.006		ND	0.005		ND	0.003		ND	1				
Chloroform	67-66-3	10	10	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.005		ND	0.003		ND	0.002		ND	0.41		ND	0.006		ND	0.005		ND	0.003		ND	1				
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
1,1-Dichloroethane	75-34-3	11	11	MG/KG	0.008	0.003	J	0.005	0.001	J	ND	0.001		ND	0.21	0.007	0.003	J	0.004	0.002	J	0.002	0.002	J	ND	0.5					
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	0.005	0.003	J	0.005	0.001	J	ND	0.001		ND	0.21	0.031	0.003		ND	0.002		0.002	0.002	J	ND	0.5					
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	0.01	0.003	J	0.009	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
Ethylbenzene	100-41-4	70	70	MG/KG	0.003	0.003	J	0.013	0.001		0.004	0.001	J	ND	0.21	0.018	0.003		ND	0.002		ND	0.002		ND	0.5					
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.001		ND	0.0007		ND	0.0005		ND	0.1		ND	0.002		ND	0.001		ND	0.0008		ND	0.25				
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.005		ND	0.003		ND	0.002		ND	0.41		ND	0.006		ND	0.005		ND	0.003		ND	1				
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	0.006	0.003	J	0.005	0.001	J	ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.005		ND	0.003		ND	0.002		ND	0.41		ND	0.006		ND	0.005		ND	0.003		ND	1				
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	0.05		ND	0.029		ND	0.02		ND	4.1		ND	0.063		ND	0.048		ND	0.031		ND	10				
Toluene	108-88-3	100	100	MG/KG	ND	0.003		0.004	0.001	J	0.088	0.001		ND	0.21	0.004	0.003	J	0.003	0.002	J	ND	0.002		ND	1.1	0.5	J			
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.003		ND	0.001		ND	0.001		ND	0.21		ND	0.003		ND	0.002		ND	0.002		ND	0.5				
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	0.003		0.009	0.001		0.028	0.001		ND	0.21	0.018	0.003		0.007	0.002	J	ND	0.002		ND	0.78	0.5	J			
VO TICs		NS	NS	MG/KG	0.943			0.912			83.969			76		399.162			4.925			1.144				1106.5					



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-096 05-MET-096A 08/10/05 8.75-9.25 1, 337.38, 337.4			05-MET-096 05-MET-096V 08/10/05 18.5-19 0.98, 1			05-MET-097 05-MET-097 08/09/05 9-9.5 1, 47.5, 47.53			05-MET-098 05-MET-098S 08/12/05 1.5-2 1, 1.37, 5			05-MET-098 05-MET-098 08/12/05 10.5-11 0.92, 1			05-MET-098 05-MET-098V 08/12/05 17-17.5 1, 1.03			05-MET-099 05-MET-099 08/09/05 8-8.5 1, 65.6, 65.62			05-MET-100 05-MET-100 08/09/05 17.5-18 1, 63.29, 63.3		
	CAS #	0-2'	2-15'	Units	Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier		
VOs																												
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	9.5		ND	0.025		ND	1.2		ND	0.038		ND	0.023		ND	0.026		ND	2.4		ND	2.9	
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	1.9		ND	0.005		ND	0.23		ND	0.008		ND	0.005		ND	0.005		ND	0.49		ND	0.58	
Benzene	71-43-2	0.5	0.5	MG/KG	0.24	0.24	J	ND	0.0006		ND	0.029		ND	0.001		0.005	0.0006	J	ND	0.0007		ND	0.061		ND	0.073	
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
Bromofom	75-25-2	10	10	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
Bromomethane	74-83-9	1	1	MG/KG	ND	0.95		ND	0.002		ND	0.12		ND	0.004		ND	0.002		ND	0.003		ND	0.24		ND	0.29	
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	ND	0.95		**			ND	0.12		**			**			**			ND	0.24		ND	0.29	
Chloroethane	75-00-3	90	90	MG/KG	ND	0.95		ND	0.002		ND	0.12		ND	0.004		ND	0.002		ND	0.003		ND	0.24		ND	0.29	
Chloroform	67-66-3	10	10	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.95		ND	0.002		ND	0.12		ND	0.004		ND	0.002		ND	0.003		ND	0.24		ND	0.29	
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.47		ND	0.001		ND	0.058		0.004	0.002	J	ND	0.001		ND	0.001		ND	0.12		ND	0.15	
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
Ethylbenzene	100-41-4	70	70	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.24		ND	0.0006		ND	0.029		ND	0.001		ND	0.0006		ND	0.0007		ND	0.061		ND	0.073	
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.95		ND	0.002		ND	0.12		ND	0.004		ND	0.002		0.013	0.003		ND	0.24		ND	0.29	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.95		ND	0.002		ND	0.12		ND	0.004		ND	0.002		ND	0.003		ND	0.24		ND	0.29	
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	9.5		ND	0.025		ND	1.2		0.042	0.038	J	0.031	0.023	J	ND	0.026		ND	2.4		ND	2.9	
Toluene	108-88-3	100	100	MG/KG	1.4	0.47	J	ND	0.001		ND	0.058		ND	0.002		0.002	0.001	J	ND	0.001		ND	0.12		0.20	0.15	J
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.47		ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		ND	0.15	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	1.1	0.47	J	ND	0.001		ND	0.058		ND	0.002		ND	0.001		ND	0.001		ND	0.12		0.23	0.15	J
VO TICs		NS	NS	MG/KG	1006.3			0.034			9.52			5.301			7.959			1.767			16			5002.2		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-101 05-MET-101 08/10/05 12-12.5 1, 361.79, 361.8			05-MET-102 05-MET-102 08/09/05 9.5-10 46.2, 46.21			05-MET-103 05-MET-103 08/11/05 9.5-10 0.93, 1			05-MET-103 05-MET-103V 08/11/05 18.5-19 0.95, 1			05-MET-104 05-MET-104S 08/11/05 1.5-2 1002, 5			05-MET-104 05-MET-104 08/11/05 10-10.5 1, 1.06			05-MET-105 05-MET-105 08/09/05 11.75-12.25 1, 61.1, 61.12			05-MET-106 05-MET-106 08/09/05 6.5-7 5, 694.4, 694.44		
	CAS #	0-2'	2-15'	Units	Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier		
VOs																												
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	11		ND	1.1		ND	0.023		ND	0.025		ND	23		ND	0.027		ND	1.7		ND	24	
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	2.2		ND	0.23		ND	0.005		ND	0.005		ND	4.6		ND	0.005		ND	0.35		ND	4.8	
Benzene	71-43-2	0.5	0.5	MG/KG	0.30	0.27	J	ND	0.029		0.030	0.0006		ND	0.0006		ND	0.57		0.003	0.0007	J	ND	0.043		1.8	0.6	J
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
Bromoform	75-25-2	10	10	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
Bromomethane	74-83-9	1	1	MG/KG	ND	1.1		ND	0.11		ND	0.002		ND	0.003		ND	2.3		ND	0.003		ND	0.17		ND	2.4	
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	ND	1.1		ND	0.11		**			**			ND	2.3		**			ND	0.17		ND	2.4	
Chloroethane	75-00-3	90	90	MG/KG	ND	1.1		ND	0.11		ND	0.002		ND	0.003		ND	2.3		ND	0.003		ND	0.17		ND	2.4	
Chloroform	67-66-3	10	10	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	1.1		ND	0.11		ND	0.002		ND	0.003		ND	2.3		ND	0.003		ND	0.17		ND	2.4	
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.54		ND	0.057		0.004	0.001	J	ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
Ethylbenzene	100-41-4	70	70	MG/KG	ND	0.54		ND	0.057		0.001	0.001	J	ND	0.001		40	1.1		0.008	0.001		ND	0.086		28	1.2	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.27		ND	0.029		ND	0.0006		0.0007	0.0006	J	ND	0.57		ND	0.0007		ND	0.043		ND	0.6	
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	1.1		ND	0.11		ND	0.002		ND	0.003		ND	2.3		ND	0.003		ND	0.17		ND	2.4	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.54		ND	0.057		0.001	0.001	J	ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	1.1		ND	0.11		ND	0.002		ND	0.003		ND	2.3		ND	0.003		ND	0.17		ND	2.4	
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	11		ND	1.1		ND	0.023		ND	0.025		ND	23		0.040	0.027	J	ND	1.7		ND	24	
Toluene	108-88-3	100	100	MG/KG	ND	0.54		0.17	0.057	J	0.030	0.001		ND	0.001		6.6	1.1		0.003	0.001	J	ND	0.086		48	1.2	
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.54		ND	0.057		ND	0.001		ND	0.001		ND	1.1		ND	0.001		ND	0.086		ND	1.2	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	0.54		0.086	0.057	J	0.011	0.001		ND	0.001		270	1.1		0.043	0.001		ND	0.086		150	1.2	
VO TICs		NS	NS	MG/KG	360			131.1			37.068			0.243			155			6.214			51			304		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-107 05-MET-107 08/10/05 7.5-8 10, 992.06, 992.1			05-MET-108 05-MET-108 08/17/05 8.5-9 10, 4.1			05-MET-109 05-MET-109S 08/19/05 1.5-2 10, 497, 497.02			05-MET-109 05-MET-109 08/19/05 5.75-6.25 10, 429.55, 429.6, 859.11			05-MET-110 05-MET-110 08/09/05 12-12.5 59.8, 59.81			05-MET-111 05-MET-111 08/10/05 12.75-13.25 1, 393.7			05-MET-112 05-MET-112 08/09/05 9-9.5 1, 556.79, 556.8			05-MET-112 05-MET-112V 08/09/05 17.5-18 1, 50.4		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																												
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	25		ND	0.11		ND	13		ND	12		ND	1.8		ND	11		ND	20		ND	1.4	
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	5		ND	0.022		ND	2.7		ND	2.3		ND	0.36		ND	2.2		ND	4		ND	0.29	
Benzene	71-43-2	0.5	0.5	MG/KG	ND	0.62		0.004	0.003	J	ND	0.33		0.79	0.29	J	ND	0.045		ND	0.28		ND	0.5		ND	0.036	
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
Bromoform	75-25-2	10	10	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
Bromomethane	74-83-9	1	1	MG/KG	ND	2.5		ND	0.011		ND	1.3		ND	1.2		ND	0.18		ND	1.1		ND	2		ND	0.14	
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
Chlorobenzene	108-90-7	10	10	MG/KG	ND	1.2		ND	0.005		ND	0.67		2.9	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	ND	2.5		**			ND	1.3		ND	1.2		ND	0.18		ND	1.1		ND	2		ND	0.14	
Chloroethane	75-00-3	90	90	MG/KG	ND	2.5		ND	0.011		ND	1.3		ND	1.2		ND	0.18		ND	1.1		ND	2		ND	0.14	
Chloroform	67-66-3	10	10	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	2.5		ND	0.011		ND	1.3		ND	1.2		ND	0.18		ND	1.1		ND	2		ND	0.14	
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	1.2		ND	0.005		ND	0.67		0.65	0.58	J	ND	0.089		ND	0.56		ND	1		ND	0.072	
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	1.2		ND	0.005		1.8	0.67	J	9.0	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
Ethylbenzene	100-41-4	70	70	MG/KG	ND	1.2		ND	0.005		4.1	0.67		21	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.62		ND	0.003		ND	0.33		ND	0.29		ND	0.045		ND	0.28		ND	0.5		ND	0.036	
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	2.5		ND	0.011		ND	1.3		ND	1.2		ND	0.18		ND	1.1		ND	2		ND	0.14	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	1.2		ND	0.005		ND	0.67		0.75	0.58	J	ND	0.089		ND	0.56		ND	1		ND	0.072	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	1.2		ND	0.005		ND	0.67		ND	0.58		ND	0.089		ND	0.56		ND	1		ND	0.072	
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	1.2		ND	0.005		0.93	0.67	J	1.3	0.58	J	ND	0.089		ND	0.56		ND	1		ND	0.072	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	2.5		ND	0.011		ND	1.3		ND	1.2		ND	0.18		ND	1.1		ND	2		ND	0.14	
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	25		ND	0.11		ND	13		ND	12		ND	1.8		ND	11		ND	20		ND	1.4	
Toluene	108-88-3	100	100	MG/KG	ND	1.2		0.011	0.005	J	24	0.67		160	1.2		ND	0.089		ND	0.56		ND	1		ND	0.072	
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	1.2		ND	0.005		ND	0.67		1.2	0.58	J	ND	0.089		ND	0.56		ND	1		ND	0.072	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	1.4	1.2	J	0.031	0.005		20	0.67		85	0.58		ND	0.089		ND	0.56		2.1	1	J	ND	0.072	
VO TICs		NS	NS	MG/KG	26			47.475			4.3			37.5			8.2			14			1413			0.12		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-113 05-MET-113 08/09/05 10.5-11 1, 1131, 1131.22			05-MET-114 05-MET-114 08/08/05 16.25-16.75 0.95, 1			05-MET-114 05-MET-114V 08/08/05 21.75-22.25 0.85, 1			05-MET-115 05-MET-115 08/08/05 13-13.5 1, 4835.59			05-MET-116 05-MET-116 08/10/05 12.5-13 1, 4504.5			05-MET-117 05-MET-117 08/08/05 6.5-7 1, 1.6, 5			05-MET-118 05-MET-118 08/09/05 8.75-9.25 1, 566.89, 566.9			05-MET-119 05-MET-119 08/11/05 5-5.5 1, 1.28, 10					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																															
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	30		ND	0.03		ND	0.022		ND	150		ND	160		ND	0.065		ND	18		ND	0.043				
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	6.1		ND	0.006		ND	0.004		ND	30		ND	33		ND	0.013		ND	3.5		ND	0.009				
Benzene	71-43-2	0.5	0.5	MG/KG	ND	0.76		0.016	0.0007		ND	0.0006		3.9	3.8	J	ND	4.1		0.002	0.002	J	ND	0.44		0.030	0.001				
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
Bromoform	75-25-2	10	10	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
Bromomethane	74-83-9	1	1	MG/KG	ND	3		ND	0.003		ND	0.002		ND	15		ND	16		ND	0.007		ND	1.8		ND	0.004				
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
Chlorobenzene	108-90-7	10	10	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		0.002	0.002			J	
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	ND	3		**			**			ND	15		ND	16		**			ND	1.8		**					
Chloroethane	75-00-3	90	90	MG/KG	ND	3		ND	0.003		ND	0.002		ND	15		ND	16		ND	0.007		ND	1.8		ND	0.004				
Chloroform	67-66-3	10	10	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		0.003	0.002			J	
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	3		ND	0.003		ND	0.002		ND	15		ND	16		ND	0.007		ND	1.8		ND	0.004				
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		0.007	0.002			J	
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
Ethylbenzene	100-41-4	70	70	MG/KG	ND	1.5		0.015	0.001		ND	0.001		50	7.5		ND	8.2		0.007	0.003	J	ND	0.88		0.003	0.002			J	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.76		ND	0.0007		ND	0.0006		ND	3.8		ND	4.1		ND	0.002		ND	0.44		ND	0.001				
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	3		ND	0.003		ND	0.002		ND	15		ND	16		ND	0.007		ND	1.8		0.13	0.004				
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	1.5		0.012	0.001		ND	0.001		26	7.5	J	ND	8.2		ND	0.003		ND	0.88		0.003	0.002			J	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	1.5		ND	0.001		ND	0.001		33	7.5	J	ND	8.2		ND	0.003		ND	0.88		0.002	0.002			J	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	3		ND	0.003		ND	0.002		ND	15		ND	16		ND	0.007		ND	1.8		ND	0.004				
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	30		0.053	0.03	J	ND	0.022		ND	150		ND	160		0.12	0.065	J	ND	18		0.093	0.043			J	
Toluene	108-88-3	100	100	MG/KG	ND	1.5		0.066	0.001		ND	0.001		180	7.5		ND	8.2		0.006	0.003	J	ND	0.88		0.041	0.002				
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	1.5		ND	0.001		ND	0.001		ND	7.5		ND	8.2		ND	0.003		ND	0.88		ND	0.002				
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	1.5		0.068	0.001		ND	0.001		230	7.5		ND	8.2		0.040	0.003		ND	0.88		0.009	0.002			J	
VO TICs		NS	NS	MG/KG	1504			23.521			0.032			ND			ND			1.737			319			51.133					



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-120 05-MET-120 08/10/05 8.5-9 2465.48, 5			05-MET-121 05-MET-121 08/10/05 8.5-9 490.2, 5			05-MET-122 05-MET-122 08/08/05 6.25-6.75 5, 996.02			05-MET-123 05-MET-123 08/09/05 12-12.5 1, 1052.63			05-MET-124 05-MET-124 08/11/05 10.75-11.25 0.91, 10			05-MET-125 05-MET-125 08/10/05 8.5-9 1, 1.92			05-MET-126 05-MET-126 08/11/05 8.5-9 10, 517.6			05-MET-127 05-MET-127 08/11/05 6.5-7 1, 156, 10		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																												
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	65		ND	13		ND	29		ND	32		ND	0.026		ND	0.05		ND	14		ND	0.042	
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	13		ND	2.7		ND	5.9		ND	6.4		ND	0.005		ND	0.01		ND	2.9		ND	0.008	
Benzene	71-43-2	0.5	0.5	MG/KG	ND	1.6		ND	0.34		ND	0.73		ND	0.8		0.002	0.0006	J	ND	0.001		ND	0.36		ND	0.001	
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
Bromoform	75-25-2	10	10	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
Bromomethane	74-83-9	1	1	MG/KG	ND	6.5		ND	1.3		ND	2.9		ND	3.2		ND	0.003		ND	0.005		ND	1.4		ND	0.004	
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
Chlorobenzene	108-90-7	10	10	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	ND	6.5		ND	1.3		ND	2.9		ND	3.2		**			**			ND	1.4		**		
Chloroethane	75-00-3	90	90	MG/KG	ND	6.5		ND	1.3		ND	2.9		ND	3.2		ND	0.003		ND	0.005		ND	1.4		ND	0.004	
Chloroform	67-66-3	10	10	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		0.002	0.002	J
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	6.5		ND	1.3		ND	2.9		ND	3.2		ND	0.003		ND	0.005		ND	1.4		ND	0.004	
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	3.2		3.5	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
Ethylbenzene	100-41-4	70	70	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		0.003	0.001	J	ND	0.002		ND	0.71		ND	0.002	
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	1.6		ND	0.34		ND	0.73		ND	0.8		ND	0.0006		ND	0.001		ND	0.36		ND	0.001	
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	6.5		ND	1.3		ND	2.9		ND	3.2		ND	0.003		ND	0.005		ND	1.4		ND	0.004	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	3.2		7.4	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	6.5		ND	1.3		ND	2.9		ND	3.2		ND	0.003		ND	0.005		ND	1.4		ND	0.004	
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	65		ND	13		ND	29		ND	32		0.16	0.026		ND	0.05		ND	14		ND	0.042	
Toluene	108-88-3	100	100	MG/KG	ND	3.2		3.1	0.67	J	ND	1.5		ND	1.6		0.004	0.001	J	ND	0.002		ND	0.71		ND	0.002	
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		ND	0.001		ND	0.002		ND	0.71		ND	0.002	
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	3.2		ND	0.67		ND	1.5		ND	1.6		0.020	0.001		ND	0.002		ND	0.71		ND	0.002	
VO TICs		NS	NS	MG/KG	ND			ND			ND			ND			5.097			3.61			4.1			4.81		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-128 05-MET-128 08/22/05 6.75-7.25 0.95, 1			05-MET-129 05-MET-129 08/22/05 5-5.5 1, 1.05			05-MET-130 05-MET-130 08/17/05 8.5-9 0.93, 1			05-MET-131 05-MET-131 08/18/05 2-2.5 1, 1.54			05-MET-132 05-MET-132 08/16/05 11-11.5 0.92, 1			05-MET-133 05-MET-133 08/23/05 8-8.5 1, 1.11, 5			05-MET-134 05-MET-134 08/23/05 7-7.5 0.98, 1			05-MET-135 05-MET-135 08/23/05 8.5-9 0.84, 1					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																															
Acrolein	107-02-8	0.012	0.012	MG/KG	ND	0.026		ND	0.032		ND	0.024		ND	0.034		ND	0.022		ND	0.035		ND	0.023		ND	0.021				
Acrylonitrile	107-13-1	0.27	0.27	MG/KG	ND	0.005		ND	0.006		ND	0.005		ND	0.007		ND	0.004		ND	0.007		ND	0.005		ND	0.004				
Benzene	71-43-2	0.5	0.5	MG/KG	ND	0.0006		0.005	0.0008	J	ND	0.0006		0.003	0.0008	J	ND	0.0005		ND	0.0009		ND	0.0006		ND	0.0005				
Bromodichloromethane	75-27-4	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.002		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Bromoform	75-25-2	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Bromomethane	74-83-9	1	1	MG/KG	ND	0.003		ND	0.003		ND	0.002		ND	0.003		ND	0.002		ND	0.003		ND	0.002		ND	0.002				
Carbon tetrachloride	56-23-5	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Chlorobenzene	108-90-7	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Chlorodibromomethane	124-48-1	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
2-chloroethyl Vinyl Ether	110-75-8	NS	NS	MG/KG	**			**			**			**			**			**			**			**					
Chloroethane	75-00-3	90	90	MG/KG	ND	0.003		ND	0.003		ND	0.002		ND	0.003		ND	0.002		ND	0.003		ND	0.002		ND	0.002				
Chloroform	67-66-3	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Chloromethane	74-87-3	0.3	0.3	MG/KG	ND	0.003		ND	0.003		ND	0.002		ND	0.003		ND	0.002		ND	0.003		ND	0.002		ND	0.002				
Ethylene Dibromide (EDB)	106-93-4	0.005	0.005	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
1,1-Dichloroethane	75-34-3	11	11	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
1,2-Dichloroethane	107-06-2	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
1,1-Dichloroethene	75-35-4	0.7	0.7	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
cis-1,2-Dichloroethylene	156-59-2	7	7	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
trans-1,2-Dichloroethylene	156-60-5	10	10	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
1,2-Dichloropropane	78-87-5	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
cis-1,3-Dichloropropene	10061-01-5	NS	NS	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
trans-1,3-Dichloropropene	10061-02-6	NS	NS	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Ethylbenzene	100-41-4	70	70	MG/KG	ND	0.001		0.002	0.002	J	ND	0.001		0.003	0.002	J	ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Methyl tert-Butyl ether (MTBE)	1634-04-4	2	2	MG/KG	ND	0.0006		ND	0.0008		ND	0.0006		ND	0.0008		ND	0.0005		ND	0.0009		ND	0.0006		ND	0.0005				
Methylene chloride	75-09-2	0.5	0.5	MG/KG	ND	0.003		ND	0.003		ND	0.002		0.009	0.003		ND	0.002		ND	0.003		ND	0.002		0.002	0.002			J	
1,1,2,2-Tetrachloroethane	79-34-5	0.03	0.03	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Tetrachloroethylene (PCE)	127-18-4	0.5	0.5	MG/KG	ND	0.001		0.004	0.002	J	ND	0.001		0.003	0.002	J	ND	0.001		ND	0.002		ND	0.001		ND	0.001				
1,1,1-Trichloroethane	71-55-6	20	20	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
1,1,2-Trichloroethane	79-00-5	0.5	0.5	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Trichloroethylene (TCE)	79-01-6	0.5	0.5	MG/KG	ND	0.001		0.002	0.002	J	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Trichlorofluoromethane	75-69-4	200	200	MG/KG	ND	0.003		ND	0.003		ND	0.002		ND	0.003		ND	0.002		ND	0.003		ND	0.002		ND	0.002				
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	MG/KG	ND	0.026		ND	0.032		ND	0.024		ND	0.034		ND	0.022		ND	0.035		ND	0.023		ND	0.021				
Toluene	108-88-3	100	100	MG/KG	ND	0.001		0.005	0.002	J	ND	0.001		0.01	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Vinyl chloride	75-01-4	0.2	0.2	MG/KG	ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.002		ND	0.001		ND	0.001				
Xylenes (total)	1330-20-7	1000	1000	MG/KG	ND	0.001		0.006	0.002	J	ND	0.001		0.003	0.002	J	ND	0.001		ND	0.002		ND	0.001		ND	0.001				
VO TICs		NS	NS	MG/KG	0.033			0.684			0.702			0.035			0.1			0.329			0.027			0.008					



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-001 05-MET-001 08/19/05 5.5-6 1, 10			05-MET-002 05-MET-002 08/17/05 4.5-5 1			05-MET-003 05-MET-003 08/18/05 5.5-6 1			05-MET-004 05-MET-004 08/16/05 2-2.5 1			05-MET-005 05-MET-005 08/16/05 4.5-5 1			05-MET-006 05-MET-006 08/16/05 2.5-3 1			05-MET-007 05-MET-007 08/15/05 5-5.5 10			05-MET-008 05-MET-008 08/19/05 11.5-12 1					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																															
Acenaphthene	83-32-9	470	470	MG/KG	0.74	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		0.39	0.039				
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		0.14	0.04	J	ND	0.44		0.085	0.039			J	
Anthracene	120-12-7	35	35	MG/KG	3.8	0.13		ND	0.14		ND	0.042		0.042	0.041	J	ND	0.039		0.28	0.04		ND	0.44		1.8	0.039				
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	2.6		ND	2.8		ND	0.83		ND	0.82		ND	0.79		ND	0.81		ND	8.8		ND	0.78				
Benzo(a)anthracene	56-55-3	32	32	MG/KG	0.87	0.13		0.15	0.14	J	ND	0.042		0.20	0.041	J	ND	0.039		1.6	0.04		0.55	0.44	J	1.6	0.039				
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	0.51	0.13	J	0.22	0.14	J	ND	0.042		0.26	0.041		ND	0.039		1.7	0.04		0.56	0.44	J	0.50	0.039				
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	0.71	0.13		0.24	0.14	J	ND	0.042		0.30	0.041		ND	0.039		1.9	0.04		0.55	0.44	J	0.24	0.039				
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	0.41	0.13	J	0.24	0.14	J	ND	0.042		0.26	0.041		ND	0.039		0.88	0.04		0.83	0.44	J	0.27	0.039				
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	0.30	0.13	J	ND	0.14		ND	0.042		0.11	0.041	J	ND	0.039		0.92	0.04		ND	0.44		0.087	0.039			J	
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	1.6	0.26		ND	0.28		ND	0.083		ND	0.082		ND	0.079		ND	0.081		ND	0.88		ND	0.078				
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	93	2.6		0.52	0.28	J	ND	0.083		ND	0.082		ND	0.079		ND	0.081		ND	0.88		ND	0.078				
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.26		ND	0.28		ND	0.083		ND	0.082		ND	0.079		ND	0.081		ND	0.88		ND	0.078				
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				
Chrysene	218-01-9	23	23	MG/KG	1.8	0.13		0.16	0.14	J	ND	0.042		0.27	0.041		ND	0.039		1.6	0.04		0.75	0.44	J	1.6	0.039				
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	0.22	0.13	J	ND	0.14		ND	0.042		0.12	0.041	J	ND	0.039		0.27	0.04		ND	0.44		0.20	0.039				
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	1.5	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	9.9	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	1.1	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	0.39		ND	0.42		ND	0.13		ND	0.12		ND	0.12		ND	0.12		ND	1.3		ND	0.12				
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.26		ND	0.28		ND	0.083		ND	0.082		ND	0.079		ND	0.081		ND	0.88		ND	0.078				
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	2.9	0.39		ND	0.42		ND	0.13		ND	0.12		ND	0.12		ND	0.12		ND	1.3		ND	0.12				
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.26		ND	0.28		ND	0.083		ND	0.082		ND	0.079		ND	0.081		ND	0.88		ND	0.078				
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	1.1	0.26		ND	0.28		ND	0.083		ND	0.082		ND	0.079		ND	0.081		ND	0.88		ND	0.078				
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	1.8	0.26		ND	0.28		ND	0.083		ND	0.082		ND	0.079		ND	0.081		ND	0.88		ND	0.078				
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	2.6		ND	2.8		ND	0.83		ND	0.82		ND	0.79		ND	0.81		ND	8.8		ND	0.78				
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	0.66		ND	0.7		ND	0.21		ND	0.21		ND	0.2		ND	0.2		ND	2.2		ND	0.19				
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.26		ND	0.28		ND	0.083		ND	0.082		ND	0.079		ND	0.081		ND	0.88		ND	0.078				
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.13		ND	0.14		ND	0.042		ND	0.041		ND	0.039		ND	0.04		ND	0.44		ND	0.039				



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-008 05-MET-008V 08/19/05 14-14.5 1			05-MET-009 05-MET-009 08/15/05 10-10.5 1			05-MET-010 05-MET-010 08/18/05 6.5-7 10			05-MET-011 05-MET-011 08/16/05 2-2.5 10			05-MET-012 05-MET-012 08/18/05 9-9.5 1			05-MET-013 05-MET-013 08/12/05 3-3.5 5			05-MET-014 05-MET-014 08/15/05 5.5-6 10			05-MET-015 05-MET-015 08/15/05 10-10.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																												
Acenaphthene	83-32-9	470	470	MG/KG	ND	0.04		0.44	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		1.7	0.43	J	0.13	0.042	J
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
Anthracene	120-12-7	35	35	MG/KG	ND	0.04		1.0	0.039		0.48	0.36	J	ND	0.41		ND	0.04		0.44	0.42	J	2.8	0.43		0.25	0.042	
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	0.81		ND	0.78		ND	7.3		ND	8.1		ND	0.8		ND	8.4		ND	8.6		ND	0.83	
Benzo(a)anthracene	56-55-3	32	32	MG/KG	ND	0.04		0.85	0.039		1.7	0.36	J	1.4	0.41	J	0.12	0.04	J	ND	0.42		15	0.43		0.29	0.042	
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	ND	0.04		0.27	0.039		2.4	0.36		1.5	0.41	J	0.20	0.04		ND	0.42		18	0.43		0.12	0.042	J
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	ND	0.04		0.14	0.039	J	2.3	0.36		1.9	0.41	J	0.15	0.04	J	0.64	0.42	J	8.9	0.43		0.077	0.042	J
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	ND	0.04		0.11	0.039	J	3.4	0.36		1.2	0.41	J	0.19	0.04	J	ND	0.42		14	0.43		0.083	0.042	J
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	ND	0.04		ND	0.039		0.74	0.36	J	0.68	0.41	J	0.053	0.04	J	ND	0.42		1.9	0.43	J	ND	0.042	
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.081		ND	0.078		ND	0.73		ND	0.81		ND	0.08		2.9	0.84		ND	0.86		ND	0.083	
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	0.081		ND	0.078		ND	0.73		ND	0.81		0.087	0.08	J	35	0.84		ND	0.86		ND	0.083	
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.081		ND	0.078		ND	0.73		ND	0.81		ND	0.08		ND	0.84		ND	0.86		ND	0.083	
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
Chrysene	218-01-9	23	23	MG/KG	ND	0.04		1.0	0.039		2.8	0.36		1.6	0.41	J	0.13	0.04	J	1.0	0.42	J	14	0.43		0.40	0.042	
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	ND	0.04		ND	0.039		1.7	0.36	J	0.52	0.41	J	0.11	0.04	J	ND	0.42		7.7	0.43		ND	0.042	
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	0.12		ND	0.12		ND	1.1		ND	1.2		ND	0.12		ND	1.3		ND	1.3		ND	0.13	
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.081		ND	0.078		ND	0.73		ND	0.81		ND	0.08		ND	0.84		ND	0.86		ND	0.083	
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	0.12		ND	0.12		ND	1.1		ND	1.2		ND	0.12		ND	1.3		ND	1.3		ND	0.13	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.081		ND	0.078		ND	0.73		ND	0.81		ND	0.08		ND	0.84		ND	0.86		ND	0.083	
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.081		ND	0.078		ND	0.73		ND	0.81		ND	0.08		1.6	0.84	J	ND	0.86		ND	0.083	
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.081		ND	0.078		ND	0.73		ND	0.81		ND	0.08		4.0	0.84		ND	0.86		ND	0.083	
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	0.81		ND	0.78		ND	7.3		ND	8.1		ND	0.8		ND	8.4		ND	8.6		ND	0.83	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	0.2		ND	0.19		ND	1.8		ND	2		ND	0.2		ND	2.1		ND	2.2		ND	0.21	
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.081		ND	0.078		ND	0.73		ND	0.81		ND	0.08		ND	0.84		ND	0.86		ND	0.083	
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	0.12		ND	0.12		ND	1.1		ND	1.2		ND	0.12		ND	1.3		ND	1.3		ND	0.13	
1,2-Diphenylhydrazine	122-66-7	0.33	0.33	MG/KG	ND	0.04		ND	0.039		ND	0.36		ND	0.41		ND	0.04		ND	0.42		ND	0.43		ND	0.042	
Fluoranthene	206-44-0	320	320	MG/KG	ND	0.04		0.30	0.039		1.0																	



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-016 05-MET-016 08/16/05 4.5-5 1			05-MET-017 05-MET-017 08/18/05 7-7.5 1			05-MET-018 05-MET-018 08/16/05 2.5-3 1			05-MET-019 05-MET-019 08/15/05 5.5-6 5			05-MET-020 05-MET-020 08/19/05 2.5-3 10			05-MET-021 05-MET-021 08/15/05 8.5-9 10			05-MET-021 05-MET-021A 08/15/05 8.5-9 10			05-MET-022 05-MET-022 08/15/05 5-5.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																												
Acenaphthene	83-32-9	470	470	MG/KG	0.27	0.039		0.32	0.041		ND	0.038		ND	1.1		3.6	0.86	J	4.0	2.3	J	2.1	0.88	J	0.25	0.042	
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
Anthracene	120-12-7	35	35	MG/KG	0.58	0.039		1.0	0.041		0.040	0.038	J	ND	1.1		7.7	0.86		10	2.3	J	5.5	0.88		0.12	0.042	J
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	0.79		ND	0.82		ND	0.75		ND	23		ND	17		ND	45		ND	18		ND	0.84	
Benzo(a)anthracene	56-55-3	32	32	MG/KG	0.38	0.039		2.5	0.041		0.20	0.038		9.5	1.1		22	0.86		75	2.3		37	0.88		0.33	0.042	
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	0.11	0.039	J	0.94	0.041		0.21	0.038		23	1.1		35	0.86		97	2.3		46	0.88		0.13	0.042	J
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	0.11	0.039	J	0.58	0.041		0.34	0.038		10	1.1		16	0.86		38	2.3		17	0.88		0.064	0.042	J
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	0.056	0.039	J	0.26	0.041		0.19	0.038		36	1.1		43	0.86		68	2.3		32	0.88		0.074	0.042	J
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	ND	0.039		0.18	0.041	J	0.13	0.038	J	3.9	1.1	J	ND	0.86		7.8	2.3	J	4.3	0.88	J	ND	0.042	
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.079		ND	0.082		ND	0.075		ND	2.3		ND	1.7		ND	4.5		ND	1.8		ND	0.084	
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	0.079		ND	0.082		ND	0.075		7.9	2.3	J	ND	1.7		ND	4.5		ND	1.8		ND	0.084	
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.079		ND	0.082		ND	0.075		ND	2.3		ND	1.7		ND	4.5		ND	1.8		ND	0.084	
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
Chrysene	218-01-9	23	23	MG/KG	0.52	0.039		3.1	0.041		0.31	0.038		10	1.1		25	0.86		70	2.3		30	0.88		0.46	0.042	
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	0.053	0.039	J	0.33	0.041		0.075	0.038	J	19	1.1		25	0.86		39	2.3		17	0.88		0.060	0.042	J
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	0.12		0.24	0.12	J	ND	0.11		ND	3.4		ND	2.6		ND	6.8		ND	2.7		ND	0.13	
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.079		ND	0.082		ND	0.075		ND	2.3		ND	1.7		ND	4.5		ND	1.8		ND	0.084	
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	0.12		ND	0.12		ND	0.11		ND	3.4		ND	2.6		ND	6.8		ND	2.7		ND	0.13	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.079		ND	0.082		ND	0.075		ND	2.3		ND	1.7		ND	4.5		ND	1.8		ND	0.084	
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.079		ND	0.082		ND	0.075		ND	2.3		ND	1.7		ND	4.5		ND	1.8		ND	0.084	
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.079		ND	0.082		ND	0.075		ND	2.3		ND	1.7		ND	4.5		ND	1.8		ND	0.084	
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	0.79		ND	0.82		ND	0.75		ND	23		ND	17		ND	45		ND	18		ND	0.84	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	0.2		ND	0.21		ND	0.19		ND	5.7		ND	4.3		ND	11		ND	4.4		ND	0.21	
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.079		ND	0.082		ND	0.075		ND	2.3		ND	1.7		ND	4.5		ND	1.8		ND	0.084	
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	0.12		ND	0.12		ND	0.11		ND	3.4		ND	2.6		ND	6.8		ND	2.7		ND	0.13	
1,2-Diphenylhydrazine	122-66-7	0.33	0.33	MG/KG	ND	0.039		ND	0.041		ND	0.038		ND	1.1		ND	0.86		ND	2.3		ND	0.88		ND	0.042	
Fluoranthene	206-44-0	320	320	MG/KG	0.25	0.039		0.57	0.041		0.29	0.038		3.5														



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil			Location ID	05-MET-023			05-MET-024			05-MET-025			05-MET-026			05-MET-026			05-MET-027			05-MET-028			05-MET-029		
	Below Groundwater			Field ID	05-MET-023			05-MET-024			05-MET-025			05-MET-026S			05-MET-026			05-MET-027			05-MET-028			05-MET-029		
	(Saturated)			Samp Date	08/15/05			08/15/05			08/17/05			08/17/05			08/17/05			08/18/05			08/19/05			08/18/05		
				Depth (ft)	5.5-6			2-2.5			2.5-3			1.5-2			3.5-4			19-19.5			8-8.5			2.5-3		
				Dilution Factor	1			10			10			10			10			5			1			1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																												
Acenaphthene	83-32-9	470	470	MG/KG	0.14	0.041	J	1.1	0.38	J	1.3	1.2	J	9.2	1.3		ND	1.3		1.9	0.21		0.090	0.04	J	ND	0.041	
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
Anthracene	120-12-7	35	35	MG/KG	0.36	0.041		1.8	0.38	J	ND	1.2		7.7	1.3		ND	1.3		4.0	0.21		0.22	0.04		ND	0.041	
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	0.82		ND	7.6		ND	24		ND	26		ND	25		ND	4.1		ND	0.8		ND	0.82	
Benzo(a)anthracene	56-55-3	32	32	MG/KG	1.1	0.041		5.7	0.38		1.7	1.2	J	42	1.3		2.7	1.3	J	6.4	0.21		2.5	0.04		ND	0.041	
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	0.47	0.041		6.8	0.38		3.2	1.2	J	62	1.3		3.0	1.3	J	3.1	0.21		0.23	0.04		ND	0.041	
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	0.44	0.041		6.1	0.38		2.7	1.2	J	31	1.3		ND	1.3		1.4	0.21		0.48	0.04		ND	0.041	
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	0.34	0.041		6.0	0.38		5.1	1.2	J	46	1.3		2.8	1.3	J	0.99	0.21	J	ND	0.04		ND	0.041	
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	0.11	0.041	J	2.1	0.38		ND	1.2		5.9	1.3	J	ND	1.3		0.64	0.21	J	0.11	0.04	J	ND	0.041	
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.082		ND	0.76		ND	2.4		ND	2.6		ND	2.5		ND	0.41		ND	0.08		ND	0.082	
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	0.082		ND	0.76		9.6	2.4	J	ND	2.6		ND	2.5		ND	0.41		ND	0.08		ND	0.082	
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.082		ND	0.76		ND	2.4		ND	2.6		ND	2.5		ND	0.41		ND	0.08		ND	0.082	
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
Chrysene	218-01-9	23	23	MG/KG	1.7	0.041		5.6	0.38		2.1	1.2	J	86	1.3		4.2	1.3	J	7.6	0.21		3.1	0.04		ND	0.041	
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	0.23	0.041		2.8	0.38		2.5	1.2	J	27	1.3		1.5	1.3	J	1.0	0.21	J	0.39	0.04		ND	0.041	
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	0.12		ND	1.1		ND	3.6		ND	4		ND	3.8		ND	0.62		ND	0.12		ND	0.12	
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.082		ND	0.76		ND	2.4		ND	2.6		ND	2.5		ND	0.41		ND	0.08		ND	0.082	
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	0.12		ND	1.1		ND	3.6		ND	4		ND	3.8		ND	0.62		ND	0.12		ND	0.12	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.082		ND	0.76		ND	2.4		ND	2.6		ND	2.5		ND	0.41		ND	0.08		ND	0.082	
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.082		ND	0.76		2.5	2.4	J	ND	2.6		ND	2.5		ND	0.41		ND	0.08		ND	0.082	
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.082		ND	0.76		ND	2.4		ND	2.6		ND	2.5		ND	0.41		ND	0.08		ND	0.082	
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	0.82		ND	7.6		ND	24		ND	26		ND	25		ND	4.1		ND	0.8		ND	0.82	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	0.2		ND	1.9		ND	6.1		ND	6.6		ND	6.3		ND	1		ND	0.2		ND	0.21	
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.082		ND	0.76		ND	2.4		ND	2.6		ND	2.5		ND	0.41		ND	0.08		ND	0.082	
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04		ND	0.041	
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	0.12		ND	1.1		ND	3.6		ND	4		ND	3.8		ND	0.62		ND	0.12		ND	0.12	
1,2-Diphenylhydrazine	122-66-7	0.33	0.33	MG/KG	ND	0.041		ND	0.38		ND	1.2		ND	1.3		ND	1.3		ND	0.21		ND	0.04				



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-030 05-MET-030 08/18/05 6.75-7.25 1			05-MET-031 05-MET-031 08/11/05 10.5-11 1			05-MET-032 05-MET-032 08/11/05 4.5-5 5			05-MET-033 05-MET-033 08/11/05 8.5-9 1			05-MET-034 05-MET-034 08/18/05 12.75-13.25 1			05-MET-034 05-MET-034V 08/18/05 22.5-23 1			05-MET-035 05-MET-035 08/18/05 6.5-7 5			05-MET-036 05-MET-036 08/18/05 15.5-16 1, 2		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																												
Acenaphthene	83-32-9	470	470	MG/KG	ND	0.041		0.50	0.042		ND	0.65		ND	0.044		1.5	0.39	J	ND	0.044		ND	2.4		ND	0.041	
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.041		0.045	0.042	J	ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
Anthracene	120-12-7	35	35	MG/KG	ND	0.041		1.5	0.042		0.73	0.65	J	0.82	0.044		6.3	0.39		ND	0.044		6.3	2.4	J	ND	0.041	
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	0.81		ND	0.83		ND	13		ND	0.89		ND	7.8		ND	0.88		ND	47		ND	0.82	
Benzo(a)anthracene	56-55-3	32	32	MG/KG	1.2	0.041		2.3	0.042		1.6	0.65	J	1.9	0.044		34	0.39		ND	0.044		68	2.4		6.8	0.082	
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	0.30	0.041		1.1	0.042		1.3	0.65	J	0.65	0.044		18	0.39		ND	0.044		38	2.4		1.8	0.041	
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	0.27	0.041		0.35	0.042		1.7	0.65	J	0.59	0.044		9.4	0.39		ND	0.044		21	2.4		1.4	0.041	
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	0.086	0.041	J	0.40	0.042		2.4	0.65	J	0.62	0.044		9.7	0.39		ND	0.044		20	2.4		0.64	0.041	
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	0.091	0.041	J	0.13	0.042	J	ND	0.65		0.18	0.044	J	ND	0.39		ND	0.044		ND	2.4		ND	0.041	
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.081		ND	0.083		ND	1.3		ND	0.089		ND	0.78		ND	0.088		ND	4.7		ND	0.082	
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	0.34	0.081	J	ND	0.083		38	1.3		ND	0.089		ND	0.78		ND	0.088		ND	4.7		ND	0.082	
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.081		ND	0.083		ND	1.3		ND	0.089		ND	0.78		ND	0.088		ND	4.7		ND	0.082	
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
Chrysene	218-01-9	23	23	MG/KG	1.3	0.041		2.2	0.042		2.7	0.65	J	2.5	0.044		42	0.39		ND	0.044		85	2.4		2.4	0.041	
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	0.22	0.041		0.32	0.042		1.0	0.65	J	0.44	0.044		7.4	0.39		ND	0.044		15	2.4		0.95	0.041	
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.041		ND	0.042		3.8	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	0.12		ND	0.12		ND	1.9		ND	0.13		ND	1.2		ND	0.13		ND	7.1		ND	0.12	
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.081		ND	0.083		ND	1.3		ND	0.089		ND	0.78		ND	0.088		ND	4.7		ND	0.082	
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	0.12		ND	0.12		ND	1.9		ND	0.13		ND	1.2		ND	0.13		ND	7.1		ND	0.12	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.081		ND	0.083		ND	1.3		ND	0.089		ND	0.78		ND	0.088		ND	4.7		ND	0.082	
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.081		ND	0.083		ND	1.3		ND	0.089		ND	0.78		ND	0.088		ND	4.7		ND	0.082	
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.081		ND	0.083		4.7	1.3		ND	0.089		ND	0.78		ND	0.088		ND	4.7		ND	0.082	
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	0.81		ND	0.83		ND	13		ND	0.89		ND	7.8		ND	0.88		ND	47		ND	0.82	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	0.2		ND	0.21		ND	3.2		ND	0.22		ND	2		ND	0.22		ND	12		ND	0.2	
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.081		ND	0.083		ND	1.3		ND	0.089		ND	0.78		ND	0.088		ND	4.7		ND	0.082	
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	0.12		ND	0.12		ND	1.9		ND	0.13		ND	1.2		ND	0.13		ND	7.1		ND	0.12	
1,2-Diphenylhydrazine	122-66-7	0.33	0.33	MG/KG	ND	0.041		ND	0.042		ND	0.65		ND	0.044		ND	0.39		ND	0.044		ND	2.4		ND	0.041	
Fluoranthene	206-44-0	320	320	MG/KG	0.20	0.041	J	0.38	0.042		1.8	0.65	J	0.36	0.044		5.2	0.39		ND	0.044		9.8	2.4	J	0.85	0.041	
Fluorene	86-73-7	380	380	MG/KG	ND	0.																						



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-037 05-MET-037 08/19/05 4-4.5 1			05-MET-038 05-MET-038 08/19/05 4.5-5 1			05-MET-039 05-MET-039 08/19/05 2.5-3 1			05-MET-041 05-MET-041 08/23/05 2-2.5 1			05-MET-042 05-MET-042 08/19/05 2-2.5 1			05-MET-042 05-MET-042A 08/19/05 2-2.5 1			05-MET-043 05-MET-043 08/19/05 4-4.5 1			05-MET-044 05-MET-044 08/22/05 4.5-5 5						
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	
BNs																																
Acenaphthene	83-32-9	470	470	MG/KG	ND	0.044		ND	0.052		0.10	0.041	J	0.086	0.041	J	ND	0.041		ND	0.041		ND	0.045		0.27	0.23	J				
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.044		ND	0.052		ND	0.041		0.058	0.041	J	ND	0.041	J	0.050	0.041	J	0.21	0.045	J	ND	0.23					
Anthracene	120-12-7	35	35	MG/KG	0.046	0.044	J	ND	0.052		0.34	0.041	J	0.19	0.041	J	0.18	0.041	J	0.18	0.041	J	0.15	0.045	J	0.82	0.23	J				
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	0.89		ND	1		ND	0.81		ND	0.83		ND	0.81		ND	0.81		ND	0.9		ND	4.6					
Benzo(a)anthracene	56-55-3	32	32	MG/KG	0.23	0.044		ND	0.052		0.81	0.041		0.41	0.041		0.51	0.041		0.71	0.041		0.44	0.045		1.2	0.23					
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	0.22	0.044		ND	0.052		0.80	0.041		0.38	0.041		0.42	0.041		0.60	0.041		0.56	0.045		1.2	0.23					
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	0.32	0.044		ND	0.052		1.0	0.041		0.54	0.041		0.44	0.041		0.68	0.041		0.62	0.045		1.6	0.23					
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	0.18	0.044	J	ND	0.052		0.62	0.041		0.39	0.041		0.33	0.041		0.53	0.041		0.74	0.045		0.81	0.23	J				
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	0.10	0.044	J	ND	0.052		0.34	0.041	J	0.19	0.041	J	0.20	0.041	J	0.21	0.041		0.25	0.045		0.72	0.23	J				
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.089		ND	0.1		ND	0.081		ND	0.083		ND	0.081		ND	0.081		ND	0.09		ND	0.46					
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	0.089		0.16	0.1	J	ND	0.081		ND	0.083		ND	0.081		ND	0.081		1.1	0.09		ND	0.46					
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.089		ND	0.1		ND	0.081		ND	0.083		ND	0.081		ND	0.081		ND	0.09		ND	0.46					
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					
Chrysene	218-01-9	23	23	MG/KG	0.27	0.044		ND	0.052		0.72	0.041		0.46	0.041		0.73	0.041		1.5	0.041		0.57	0.045		1.4	0.23					
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	0.075	0.044	J	ND	0.052		0.13	0.041	J	0.13	0.041	J	0.17	0.041	J	0.26	0.041		0.11	0.045	J	0.31	0.23	J				
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	0.13		ND	0.15		ND	0.12		ND	0.12		ND	0.12		ND	0.12		ND	0.14		ND	0.69					
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.089		ND	0.1		ND	0.081		ND	0.083		ND	0.081		ND	0.081		ND	0.09		ND	0.46					
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	0.13		ND	0.15		ND	0.12		ND	0.12		ND	0.12		ND	0.12		ND	0.14		ND	0.69					
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.089		ND	0.1		ND	0.081		ND	0.083		ND	0.081		ND	0.081		ND	0.09		ND	0.46					
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	0.090	0.089	J	ND	0.1		ND	0.081		ND	0.083		ND	0.081		ND	0.081		0.27	0.09		ND	0.46					
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.089		ND	0.1		ND	0.081		ND	0.083		ND	0.081		ND	0.081		ND	0.09		ND	0.46					
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	0.89		ND	1		ND	0.81		ND	0.83		ND	0.81		ND	0.81		ND	0.9		ND	4.6					
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	0.22		ND	0.26		ND	0.2		ND	0.21		ND	0.2		ND	0.2		ND	0.23		ND	1.1					
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.089		ND	0.1		ND	0.081		ND	0.083		ND	0.081		ND	0.081		ND	0.09		ND	0.46					
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.044		ND	0.052		ND	0.041		ND	0.041		ND	0.041		ND	0.041		ND	0.045		ND	0.23					



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-046 05-MET-046 08/23/05 5.5-6 1			05-MET-047 05-MET-047 08/19/05 2-2.5 1			05-MET-048 05-MET-048 08/22/05 4.5-5 5			05-MET-049 05-MET-049 08/22/05 4.5-5 1			05-MET-049A 05-MET-049A 08/22/05 4.5-5 1			05-MET-051 05-MET-051 08/22/05 4.5-5 5			05-MET-052 05-MET-052 08/23/05 4-4.5 1			05-MET-052V 05-MET-052V 08/23/05 15-15.5 1					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																															
Acenaphthene	83-32-9	470	470	MG/KG	ND	0.04		0.060	0.042	J	ND	0.21		ND	0.041		0.071	0.042	J	ND	0.45		0.060	0.051	J	ND	0.04		ND	0.04	
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.04		0.072	0.042	J	ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
Anthracene	120-12-7	35	35	MG/KG	ND	0.04		0.12	0.042	J	ND	0.21		0.087	0.041	J	0.15	0.042	J	ND	0.45		0.25	0.051	J	ND	0.04		ND	0.04	
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	0.79		ND	0.84		ND	4.3		ND	0.83		ND	0.85		ND	9		ND	1		ND	0.79		ND	0.79	
Benzo(a)anthracene	56-55-3	32	32	MG/KG	ND	0.04		0.78	0.042		1.2	0.21		0.24	0.041		0.32	0.042		ND	0.45		0.33	0.051		ND	0.04		ND	0.04	
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	ND	0.04		0.81	0.042		0.99	0.21	J	0.20	0.041	J	0.27	0.042		ND	0.45		0.15	0.051	J	ND	0.04		ND	0.04	
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	ND	0.04		1.1	0.042		1.3	0.21		0.29	0.041		0.36	0.042		ND	0.45		0.24	0.051	J	ND	0.04		ND	0.04	
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	ND	0.04		1.1	0.042		1.3	0.21		0.14	0.041	J	0.17	0.042	J	ND	0.45		0.090	0.051	J	ND	0.04		ND	0.04	
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	ND	0.04		0.28	0.042		0.48	0.21	J	0.13	0.041	J	0.17	0.042	J	ND	0.45		0.11	0.051	J	ND	0.04		ND	0.04	
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.079		ND	0.084		ND	0.43		ND	0.083		ND	0.085		ND	0.9		ND	0.1		ND	0.079		ND	0.079	
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	0.079		ND	0.084		1.9	0.43	J	1.1	0.083		1.2	0.085		ND	0.9		ND	0.1		ND	0.079		ND	0.079	
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.079		ND	0.084		ND	0.43		ND	0.083		ND	0.085		ND	0.9		ND	0.1		ND	0.079		ND	0.079	
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
Chrysene	218-01-9	23	23	MG/KG	ND	0.04		1.2	0.042		1.7	0.21		0.36	0.041		0.46	0.042		ND	0.45		0.31	0.051		ND	0.04		ND	0.04	
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	ND	0.04		0.47	0.042		0.61	0.21	J	0.063	0.041	J	0.073	0.042	J	ND	0.45		ND	0.051		ND	0.04		ND	0.04	
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND	0.051		ND	0.04		ND	0.04	
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	0.12		ND	0.13		ND	0.64		ND	0.12		ND	0.13		ND	1.3		ND	0.15		ND	0.12		ND	0.12	
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.079		ND	0.084		ND	0.43		ND	0.083		ND	0.085		ND	0.9		ND	0.1		ND	0.079		ND	0.079	
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	0.12		ND	0.13		ND	0.64		ND	0.12		ND	0.13		ND	1.3		ND	0.15		ND	0.12		ND	0.12	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.079		ND	0.084		ND	0.43		ND	0.083		ND	0.085		ND	0.9		ND	0.1		ND	0.079		ND	0.079	
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.079		ND	0.084		ND	0.43		ND	0.083		ND	0.085		ND	0.9		ND	0.1		ND	0.079		ND	0.079	
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.079		ND	0.084		ND	0.43		ND	0.083		ND	0.085		ND	0.9		ND	0.1		ND	0.079		ND	0.079	
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	0.79		ND	0.84		ND	4.3		ND	0.83		ND	0.85		ND	9		ND	1		ND	0.79		ND	0.79	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	0.2		ND	0.21		ND	1.1		ND	0.21		ND	0.21		ND	2.2		ND	0.25		ND	0.2		ND	0.2	
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.079		ND	0.084		ND	0.43		ND	0.083		ND	0.085		ND	0.9		ND	0.1		ND	0.079		ND	0.079	
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.04		ND	0.042		ND	0.21		ND	0.041		ND	0.042		ND	0.45		ND								



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-053 05-MET-053 08/23/05 5.5-6 1			05-MET-054 05-MET-054 08/23/05 2-2.5 1			05-MET-055 05-MET-055 08/23/05 5-5.5 1			05-MET-056 05-MET-056 08/23/05 4.5-5 1			05-MET-057 05-MET-057 08/16/05 10.5-11 1			05-MET-058 05-MET-058 08/16/05 12.5-13 1			05-MET-059 05-MET-059 08/17/05 17-17.5 10			05-MET-059V 05-MET-059V 08/17/05 22.5-23 1					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																															
Acenaphthene	83-32-9	470	470	MG/KG	0.074	0.051	J	0.044	0.043	J	ND	0.044		ND	0.037		0.19	0.041	J	0.45	0.04		2.0	1.2	J	ND	0.042				
Acenaphthylene	208-96-8	690	690	MG/KG	0.18	0.051	J	0.087	0.043	J	ND	0.044		ND	0.037		ND	0.041		ND	0.04		ND	1.2		ND	0.042				
Anthracene	120-12-7	35	35	MG/KG	0.39	0.051		0.18	0.043	J	0.080	0.044	J	ND	0.037		0.50	0.041		0.99	0.04		4.0	1.2	J	ND	0.042				
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	1		ND	0.85		ND	0.87		ND	0.75		ND	0.82		ND	0.8		ND	23		ND	0.84				
Benzo(a)anthracene	56-55-3	32	32	MG/KG	0.82	0.051		0.32	0.043		0.24	0.044		0.078	0.037	J	0.48	0.041		0.67	0.04		6.4	1.2		ND	0.042				
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	0.65	0.051		0.35	0.043		0.25	0.044		0.071	0.037	J	0.20	0.041	J	0.26	0.04		3.0	1.2	J	ND	0.042				
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	1.4	0.051		0.51	0.043		0.35	0.044		0.11	0.037	J	0.10	0.041	J	0.13	0.04	J	1.2	1.2	J	ND	0.042				
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	0.75	0.051		0.34	0.043		0.23	0.044		0.081	0.037	J	0.15	0.041	J	0.10	0.04	J	1.4	1.2	J	ND	0.042				
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	0.57	0.051		0.25	0.043		0.15	0.044	J	0.045	0.037	J	0.15	0.041		ND	0.04		ND	1.2		ND	0.042				
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.1		ND	0.085		ND	0.087		ND	0.075		ND	0.082		ND	0.08		ND	2.3		ND	0.084				
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		ND	0.041		ND	0.04		ND	1.2		ND	0.042				
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		ND	0.041		ND	0.04		ND	1.2		ND	0.042				
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		ND	0.041		ND	0.04		ND	1.2		ND	0.042				
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	0.38	0.1	J	0.31	0.085	J	0.26	0.087	J	ND	0.075		ND	0.082		ND	0.08		ND	2.3		ND	0.084				
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		ND	0.041		ND	0.04		ND	1.2		ND	0.042				
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.1		ND	0.085		ND	0.087		ND	0.075		ND	0.082		ND	0.08		ND	2.3		ND	0.084				
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		ND	0.041		ND	0.04		ND	1.2		ND	0.042				
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		ND	0.041		ND	0.04		ND	1.2		ND	0.042				
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		ND	0.041		ND	0.04		ND	1.2		ND	0.042				
Chrysene	218-01-9	23	23	MG/KG	1.6	0.051		0.41	0.043		0.31	0.044		0.14	0.037	J	0.60	0.041		0.85	0.04		8.7	1.2		ND	0.042				
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	0.32	0.051		0.11	0.043	J	0.090	0.044	J	ND	0.037		0.063	0.041	J	0.078	0.04	J	1.2	1.2	J	ND	0.042				
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		ND	0.041		ND	0.04		ND	1.2		ND	0.042				
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		ND	0.041		ND	0.04		ND	1.2		ND	0.042				
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		ND	0.041		ND	0.04		ND	1.2		ND	0.042				
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		0.23	0.041		ND	0.04		ND	1.2		ND	0.042				
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	0.15		ND	0.13		ND	0.13		ND	0.11		ND	0.12		ND	0.12		ND	3.5		ND	0.13				
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.1		ND	0.085		ND	0.087		ND	0.075		ND	0.082		ND	0.08		ND	2.3		ND	0.084				
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	0.15		ND	0.13		ND	0.13		ND	0.11		0.71	0.12		ND	0.12		ND	3.5		ND	0.13				
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.1		ND	0.085		ND	0.087		ND	0.075		ND	0.082		ND	0.08		ND	2.3		ND	0.084				
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.1		ND	0.085		ND	0.087		ND	0.075		ND	0.082		ND	0.08		ND	2.3		ND	0.084				
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.1		ND	0.085		ND	0.087		ND	0.075		ND	0.082		ND	0.08		ND	2.3		ND	0.084				
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	1		ND	0.85		ND	0.87		ND	0.75		ND	0.82		ND	0.8		ND	23		ND	0.84				
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	0.25		ND	0.21		ND	0.22		ND	0.19		ND	0.21		ND	0.2		ND	5.8		ND	0.21				
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.1		ND	0.085		ND	0.087		ND	0.075		ND	0.082		ND	0.08		ND	2.3		ND	0.084				
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.051		ND	0.043		ND	0.044		ND	0.037		ND	0													



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-060 05-MET-060 08/16/05 5.5-6 10			05-MET-060 05-MET-060B 08/16/05 16.5-17 10			05-MET-060 05-MET-060V 08/16/05 34-34.5 1			05-MET-061 05-MET-061 08/15/05 7.5-8 10			05-MET-062 05-MET-062 08/15/05 5.25-5.75 10			05-MET-063 05-MET-063 08/15/05 1.75-2.25 10			05-MET-065 05-MET-065 08/15/05 29-29.5 10			05-MET-065 05-MET-065A 08/15/05 29-29.5 1					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																															
Acenaphthene	83-32-9	470	470	MG/KG	1.3	0.42	J	1.1	0.41	J	ND	0.042		ND	0.48		ND	0.46		0.48	0.43	J	1.4	0.41	J	1.5	0.12				
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		ND	0.12				
Anthracene	120-12-7	35	35	MG/KG	2.8	0.42		2.7	0.41		ND	0.042		ND	0.48		ND	0.46		0.74	0.43	J	2.8	0.41		3.0	0.12				
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	8.3		ND	8.3		ND	0.84		ND	9.6		ND	9.2		ND	8.7		ND	8.2		ND	2.5				
Benzo(a)anthracene	56-55-3	32	32	MG/KG	4.9	0.42		4.3	0.41		ND	0.042		0.77	0.48	J	ND	0.46		ND	0.43		4.3	0.41		5.5	0.12				
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	2.3	0.42		1.9	0.41	J	ND	0.042		1.4	0.48	J	ND	0.46		ND	0.43		1.4	0.41	J	1.6	0.12				
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	1.2	0.42	J	0.82	0.41	J	ND	0.042		2.0	0.48	J	ND	0.46		ND	0.43		0.73	0.41	J	0.74	0.12				
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	0.89	0.42	J	0.61	0.41	J	ND	0.042		4.0	0.48		ND	0.46		ND	0.43		0.42	0.41	J	0.54	0.12			J	
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		0.13	0.12			J	
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.83		ND	0.83		ND	0.084		ND	0.96		ND	0.92		ND	0.87		ND	0.82		ND	0.25				
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		ND	0.12				
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		ND	0.12				
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		ND	0.12				
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	0.83		ND	0.83		ND	0.084		ND	0.96		ND	0.92		3.1	0.87	J	ND	0.82		ND	0.25				
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		ND	0.12				
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.83		ND	0.83		ND	0.084		ND	0.96		ND	0.92		ND	0.87		ND	0.82		ND	0.25				
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		ND	0.12				
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		ND	0.12				
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		ND	0.12				
Chrysene	218-01-9	23	23	MG/KG	7.1	0.42		5.4	0.41		ND	0.042		5.8	0.48		ND	0.46		0.80	0.43	J	6.2	0.41		6.5	0.12				
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	0.58	0.42	J	0.43	0.41	J	ND	0.042		2.2	0.48	J	ND	0.46		ND	0.43		0.44	0.41	J	0.51	0.12			J	
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.42		ND	0.41		ND	0.042		1.2	0.48	J	0.49	0.46	J	0.84	0.43	J	ND	0.41		ND	0.12				
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		ND	0.12				
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		ND	0.12				
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.42		ND	0.41		ND	0.042		1.8	0.48	J	ND	0.46		ND	0.43		ND	0.41		ND	0.12				
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	1.2		ND	1.2		ND	0.13		ND	1.4		ND	1.4		ND	1.3		ND	1.2		ND	0.37				
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.83		ND	0.83		ND	0.084		ND	0.96		ND	0.92		ND	0.87		ND	0.82		ND	0.25				
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	1.2		ND	1.2		ND	0.13		1.8	1.4	J	ND	1.4		ND	1.3		ND	1.2		ND	0.37				
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.83		ND	0.83		ND	0.084		ND	0.96		ND	0.92		ND	0.87		ND	0.82		ND	0.25				
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.83		ND	0.83		ND	0.084		ND	0.96		ND	0.92		ND	0.87		ND	0.82		ND	0.25				
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.83		ND	0.83		ND	0.084		ND	0.96		ND	0.92		ND	0.87		ND	0.82		ND	0.25				
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	8.3		ND	8.3		ND	0.84		ND	9.6		ND	9.2		ND	8.7		ND	8.2		ND	2.5				
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	2.1		ND	2.1		ND	0.21		ND	2.4		ND	2.3		ND	2.2		ND	2		ND	0.62				
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.83		ND	0.83		ND	0.084		ND	0.96		ND	0.92		ND	0.87		ND	0.82		ND	0.25				
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.42		ND	0.41		ND	0.042		ND	0.48		ND	0.46		ND	0.43		ND	0.41		ND	0.12				
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	1.2		ND	1.2		ND	0.13																			



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-065 05-MET-065B 08/15/05 21.25-21.75 10			05-MET-065 05-MET-065V 08/15/05 29-29.5 1			05-MET-066 05-MET-066 08/16/05 13.5-14 10			05-MET-068 05-MET-068 08/17/05 15-15.5 1			05-MET-069 05-MET-069 08/17/05 15-15.5 1			05-MET-071 05-MET-071 08/22/05 10.25-10.75 5			05-MET-072 05-MET-072 08/22/05 4-4.5 10, 5			05-MET-074 05-MET-074 08/22/05 6.75-7.25 10		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																												
Acenaphthene	83-32-9	470	470	MG/KG	2.1	0.41	J	0.42	0.12	J	0.82	0.39	J	0.34	0.12	J	0.73	0.12		ND	0.24		1.2	0.41	J	41	4.7	
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		6.9	4.7	J
Anthracene	120-12-7	35	35	MG/KG	4.7	0.41		0.85	0.12		2.6	0.39		0.65	0.12		1.4	0.12		0.46	0.24	J	0.94	0.41	J	27	4.7	
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	8.3		ND	2.3		ND	7.8		ND	2.3		ND	2.4		ND	4.9		ND	8.3		ND	94	
Benzo(a)anthracene	56-55-3	32	32	MG/KG	6.9	0.41		1.3	0.12		8.8	0.39		1.3	0.12		2.6	0.12		0.99	0.24	J	2.6	0.41		ND	4.7	
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	2.7	0.41		0.53	0.12	J	2.9	0.39		0.64	0.12		1.3	0.12		1.0	0.24	J	1.3	0.41	J	ND	4.7	
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	1.3	0.41	J	0.23	0.12	J	1.8	0.39	J	0.29	0.12	J	0.58	0.12	J	1.4	0.24		1.2	0.41	J	ND	4.7	
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	0.95	0.41	J	0.18	0.12	J	1.3	0.39	J	0.23	0.12	J	0.51	0.12	J	0.78	0.24	J	1.3	0.41	J	ND	4.7	
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		0.14	0.12	J	0.60	0.24	J	0.46	0.41	J	ND	4.7	
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.83		ND	0.23		ND	0.78		ND	0.23		ND	0.24		ND	0.49		1.3	0.83	J	ND	9.4	
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		ND	4.7	
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		ND	4.7	
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		ND	4.7	
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	0.83		ND	0.23		ND	0.78		ND	0.23		ND	0.24		ND	0.49		22	0.83		ND	9.4	
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		ND	4.7	
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.83		ND	0.23		ND	0.78		ND	0.23		ND	0.24		ND	0.49		ND	0.83		ND	9.4	
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		ND	4.7	
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		ND	4.7	
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		ND	4.7	
Chrysene	218-01-9	23	23	MG/KG	9.9	0.41		1.9	0.12		11	0.39		1.7	0.12		3.5	0.12		1.2	0.24		4.2	0.41		5.9	4.7	J
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	0.69	0.41	J	ND	0.12		1.1	0.39	J	0.15	0.12	J	0.36	0.12	J	ND	0.24		ND	0.41		ND	4.7	
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		56	0.83		ND	4.7	
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		ND	4.7	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		1.6	0.41	J	ND	4.7	
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		ND	4.7	
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	1.2		ND	0.35		ND	1.2		ND	0.35		ND	0.36		ND	0.73		ND	1.2		ND	14	
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.83		ND	0.23		ND	0.78		ND	0.23		ND	0.24		ND	0.49		ND	0.83		ND	9.4	
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	1.2		ND	0.35		ND	1.2		ND	0.35		ND	0.36		ND	0.73		ND	1.2		ND	14	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.83		ND	0.23		ND	0.78		ND	0.23		ND	0.24		ND	0.49		ND	0.83		ND	9.4	
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.83		ND	0.23		ND	0.78		ND	0.23		ND	0.24		ND	0.49		1.0	0.83	J	ND	9.4	
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.83		ND	0.23		ND	0.78		ND	0.23		ND	0.24		ND	0.49		ND	0.83		ND	9.4	
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	8.3		ND	2.3		ND	7.8		ND	2.3		ND	2.4		ND	4.9		ND	8.3		ND	94	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	2.1		ND	0.58		ND	1.9		ND	0.58		ND	0.59		ND	1.2		ND	2.1		ND	24	
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.83		ND	0.23		ND	0.78		ND	0.23		ND	0.24		ND	0.49		ND	0.83		ND	9.4	
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		ND	4.7	
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	1.2		ND	0.35		ND	1.2		ND	0.35		ND	0.36		ND	0.73		ND	1.2		ND	14	
1,2-Diphenylhydrazine	122-66-7	0.33	0.33	MG/KG	ND	0.41		ND	0.12		ND	0.39		ND	0.12		ND	0.12		ND	0.24		ND	0.41		ND	4.7	
Fluoranthene	206-44-0	320	320	MG/KG	1.7	0.41	J	0.31	0.12	J	1.6	0.39	J	0.30	0.12	J	0.56	0.12	J	2.6	0.24		3.8	0.41		9.1	4.7	J
Fluorene	86-73-7																											



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil			Location ID	05-MET-075			05-MET-075			05-MET-076			05-MET-076			05-MET-079			05-MET-079			05-MET-080			05-MET-081		
	Below Groundwater			Field ID	05-MET-075			05-MET-075V			05-MET-076			05-MET-076A			05-MET-079S			05-MET-079			05-MET-080			05-MET-081		
	(Saturated)			Samp Date	08/22/05			08/22/05			08/17/05			08/17/05			08/17/05			08/17/05			08/17/05			08/12/05		
				Depth (ft)	3.75-4.25			12.5-13			4.5-5			4.5-5			1.5-2			2-2.5			8.5-9			2.5-3		
				Dilution Factor	5			1			10			10			10			10			10			10		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																												
Acenaphthene	83-32-9	470	470	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		0.84	0.4	J
Acenaphthylene	208-96-8	690	690	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
Anthracene	120-12-7	35	35	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		1.2	0.4	J
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	49		ND	0.81		ND	25		ND	30		ND	28		ND	28		ND	250		ND	7.9	
Benzo(a)anthracene	56-55-3	32	32	MG/KG	2.7	2.4	J	ND	0.04		1.8	1.3	J	1.8	1.5	J	ND	1.4		1.5	1.4	J	43	13	J	3.0	0.4	
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	ND	2.4		ND	0.04		2.6	1.3	J	2.7	1.5	J	ND	1.4		3.4	1.4	J	68	13		3.4	0.4	
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	ND	2.4		ND	0.04		2.0	1.3	J	2.1	1.5	J	ND	1.4		2.2	1.4	J	36	13	J	2.7	0.4	
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	ND	2.4		ND	0.04		3.1	1.3	J	3.6	1.5	J	ND	1.4		5.0	1.4	J	70	13		4.0	0.4	
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		1.0	0.4	J
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	4.9		ND	0.081		ND	2.5		ND	3		ND	2.8		ND	2.8		ND	25		ND	0.79	
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	99	4.9		ND	0.081		4.2	2.5	J	4.4	3	J	15	2.8		5.1	2.8	J	ND	25		11	0.79	
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	4.9		ND	0.081		ND	2.5		ND	3		ND	2.8		ND	2.8		ND	25		ND	0.79	
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
Chrysene	218-01-9	23	23	MG/KG	4.6	2.4	J	ND	0.04		2.2	1.3	J	2.0	1.5	J	ND	1.4		1.8	1.4	J	47	13	J	4.4	0.4	
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	ND	2.4		ND	0.04		1.4	1.3	J	1.6	1.5	J	ND	1.4		2.3	1.4	J	42	13	J	1.8	0.4	J
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		0.56	0.4	J
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		2.0	1.4	J	ND	1.4		ND	13		ND	0.4	
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	7.3		ND	0.12		ND	3.8		ND	4.4		ND	4.2		ND	4.2		ND	38		ND	1.2	
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	4.9		ND	0.081		ND	2.5		ND	3		ND	2.8		ND	2.8		ND	25		ND	0.79	
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	7.3		ND	0.12		ND	3.8		ND	4.4		ND	4.2		ND	4.2		ND	38		ND	1.2	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	4.9		ND	0.081		ND	2.5		ND	3		ND	2.8		ND	2.8		ND	25		1.0	0.79	J
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	4.9		ND	0.081		ND	2.5		ND	3		ND	2.8		ND	2.8		ND	25		ND	0.79	
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	4.9		ND	0.081		ND	2.5		ND	3		ND	2.8		ND	2.8		ND	25		ND	0.79	
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	49		ND	0.81		ND	25		ND	30		ND	28		ND	28		ND	250		ND	7.9	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	12		ND	0.2		ND	6.3		ND	7.4		ND	7		ND	7.1		ND	64		ND	2	
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	4.9		ND	0.081		ND	2.5		ND	3		ND	2.8		ND	2.8		ND	25		ND	0.79	
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	7.3		ND	0.12		ND	3.8		ND	4.4		ND	4.2		ND	4.2		ND	38		ND	1.2	
1,2-Diphenylhydrazine	122-66-7	0.33	0.33	MG/KG	ND	2.4		ND	0.04		ND	1.3		ND	1.5		ND	1.4		ND	1.4		ND	13		ND	0.4	
Fluoranthene	206-44-0	320	320	MG/KG	3.2	2.4	J	ND	0.04		1.8	1.3	J	2.2	1.5	J	1.5	1.4	J	ND	1.4		ND	13		3.6	0.4	
Fluorene	86-73-7	380	380	MG/KG	2.6	2.4	J	ND	0.04		ND	1.3		ND														



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil			Location ID	05-MET-082			05-MET-083			05-MET-084			05-MET-085			05-MET-086			05-MET-087			05-MET-088			05-MET-089		
	Below Groundwater			Field ID	05-MET-082			05-MET-083			05-MET-084			05-MET-085			05-MET-086			05-MET-087			05-MET-088			05-MET-089		
	(Saturated)			Samp Date	08/12/05			08/12/05			08/12/05			08/12/05			08/12/05			08/11/05			08/11/05			08/12/05		
				Depth (ft)	2.25-2.75			2.5-3			7-7.5			7.5-8			2.5-3			4-4.5			3-3.5			5-5.5		
				Dilution Factor	10, 5			5			10			1			1, 2			5			5			10		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																												
Acenaphthene	83-32-9	470	470	MG/KG	2.2	0.37		3.1	2	J	ND	0.4		ND	0.041		3.2	0.19		ND	1.1		ND	0.66		ND	0.47	
Acenaphthylene	208-96-8	690	690	MG/KG	0.49	0.37	J	ND	2		ND	0.4		ND	0.041		0.53	0.19	J	ND	1.1		ND	0.66		ND	0.47	
Anthracene	120-12-7	35	35	MG/KG	6.0	0.37		6.0	2	J	ND	0.4		ND	0.041		7.7	0.19		2.1	1.1	J	1.2	0.66	J	0.98	0.47	J
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	7.4		ND	41		ND	8.1		ND	0.82		ND	3.9		ND	23		ND	13		ND	9.3	
Benzo(a)anthracene	56-55-3	32	32	MG/KG	11	0.37		9.8	2	J	2.5	0.4		0.12	0.041	J	4.5	0.19		10	1.1		3.1	0.66	J	3.2	0.47	
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	7.9	0.37		6.4	2	J	3.3	0.4		0.23	0.041		3.6	0.19		13	1.1		3.1	0.66	J	4.8	0.47	
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	12	0.37		8.1	2	J	2.0	0.4	J	0.087	0.041	J	4.7	0.19		12	1.1		4.2	0.66		1.9	0.47	J
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	4.8	0.37		4.5	2	J	3.4	0.4		0.43	0.041		3.1	0.19		12	1.1		3.3	0.66	J	16	0.47	
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	4.5	0.37		3.7	2	J	0.65	0.4	J	ND	0.041		1.9	0.19		4.9	1.1	J	1.8	0.66	J	0.67	0.47	J
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.74		ND	4.1		ND	0.81		ND	0.082		2.3	0.39		ND	2.3		ND	1.3		ND	0.93	
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.37		ND	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.37		ND	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.37		ND	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	50	1.5		160	4.1		ND	0.81		ND	0.082		35	0.78		ND	2.3		27	1.3		ND	0.93	
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.37		ND	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.74		ND	4.1		ND	0.81		ND	0.082		ND	0.39		ND	2.3		ND	1.3		ND	0.93	
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.37		ND	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.37		ND	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.37		ND	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
Chrysene	218-01-9	23	23	MG/KG	11	0.37		13	2		4.4	0.4		0.13	0.041	J	4.7	0.19		11	1.1		3.3	0.66		2.9	0.47	
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	1.5	0.37	J	ND	2		1.9	0.4	J	0.16	0.041	J	1.1	0.19		5.3	1.1	J	1.4	0.66	J	3.7	0.47	
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	4.1	0.37		21	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.37		ND	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	0.41	0.37	J	2.3	2	J	ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.37		ND	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	1.1		ND	6.1		ND	1.2		ND	0.12		ND	0.58		ND	3.4		ND	2		ND	1.4	
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.74		ND	4.1		ND	0.81		ND	0.082		0.44	0.39	J	ND	2.3		ND	1.3		ND	0.93	
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	2.3	1.1		8.9	6.1	J	ND	1.2		ND	0.12		ND	0.58		ND	3.4		ND	2		ND	1.4	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.74		ND	4.1		ND	0.81		ND	0.082		ND	0.39		ND	2.3		ND	1.3		ND	0.93	
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.74		ND	4.1		ND	0.81		ND	0.082		1.9	0.39		ND	2.3		1.4	1.3	J	ND	0.93	
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.74		ND	4.1		ND	0.81		ND	0.082		ND	0.39		ND	2.3		ND	1.3		ND	0.93	
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	7.4		ND	41		ND	8.1		ND	0.82		ND	3.9		ND	23		ND	13		ND	9.3	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	1.9		ND	10		ND	2		ND	0.21		ND	0.97		ND	5.7		ND	3.3		ND	2.3	
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.74		ND	4.1		ND	0.81		ND	0.082		ND	0.39		ND	2.3		ND	1.3		ND	0.93	
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.37		ND	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	1.1		ND	6.1		ND	1.2		ND	0.12		ND	0.58		ND	3.4		ND	2		ND	1.4	
1,2-Diphenylhydrazine	122-66-7	0.33	0.33	MG/KG	ND	0.37		ND	2		ND	0.4		ND	0.041		ND	0.19		ND	1.1		ND	0.66		ND	0.47	
Fluoranthene																												



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-090 05-MET-090 08/12/05 3-3.5 5			05-MET-090 05-MET-090A 08/12/05 3-3.5 5			05-MET-091 05-MET-091 08/12/05 10.5-11 1			05-MET-092 05-MET-092 08/09/05 7.5-8 1, 5			05-MET-093 05-MET-093 08/11/05 6.5-7 1			05-MET-094 05-MET-094 08/11/05 5.5-6 1			05-MET-095 05-MET-095 08/10/05 12.5-13 5			05-MET-096 05-MET-096 08/10/05 8.75-9.25 10					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																															
Acenaphthene	83-32-9	470	470	MG/KG	ND	0.24		ND	0.2		ND	0.041		7.2	0.31		0.88	0.23	J	17	0.95		0.26	0.23	J	ND	0.45				
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.24		ND	0.2		ND	0.041		3.6	0.31		0.48	0.23	J	8.8	0.95		0.38	0.23	J	ND	0.45				
Anthracene	120-12-7	35	35	MG/KG	ND	0.24		ND	0.2		0.045	0.041	J	21	0.31		1.8	0.23		35	0.95		0.80	0.23	J	0.85	0.45	J			
Benzdine	92-87-5	0.15	0.15	MG/KG	ND	4.8		ND	4		ND	0.82		ND	6.1		ND	4.7		ND	19		ND	4.6		ND	9				
Benzo(a)anthracene	56-55-3	32	32	MG/KG	0.32	0.24	J	0.42	0.2	J	0.20	0.041	J	44	1.5		5.7	0.23		71	0.95		9.0	0.23		6.2	0.45				
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	ND	0.24		0.34	0.2	J	0.42	0.041		36	0.31		4.0	0.23		51	0.95		11	0.23		9.4	0.45				
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	0.37	0.24	J	0.51	0.2	J	0.14	0.041	J	59	1.5		6.7	0.23		70	0.95		11	0.23		4.8	0.45				
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	ND	0.24		0.34	0.2	J	0.84	0.041		23	0.31		2.7	0.23		26	0.95		7.9	0.23		15	0.45				
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	ND	0.24		ND	0.2		0.043	0.041	J	30	0.31		3.8	0.23		38	0.95		3.5	0.23		0.96	0.45	J			
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	1.7	0.48		1.4	0.4		ND	0.082		ND	0.61		ND	0.47		ND	1.9		ND	0.46		ND	0.9				
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.24		ND	0.2		ND	0.041		ND	0.31		ND	0.23		ND	0.95		ND	0.23		ND	0.45				
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.24		ND	0.2		ND	0.041		ND	0.31		ND	0.23		ND	0.95		ND	0.23		ND	0.45				
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.24		ND	0.2		ND	0.041		ND	0.31		ND	0.23		ND	0.95		ND	0.23		ND	0.45				
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	7.6	0.48		10	0.4		ND	0.082		14	0.61		3.5	0.47		ND	1.9		ND	0.46		ND	0.9				
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.24		ND	0.2		ND	0.041		ND	0.31		ND	0.23		ND	0.95		ND	0.23		ND	0.45				
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.48		ND	0.4		ND	0.082		ND	0.61		ND	0.47		ND	1.9		ND	0.46		ND	0.9				
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.24		ND	0.2		ND	0.041		ND	0.31		ND	0.23		ND	0.95		ND	0.23		ND	0.45				
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.24		ND	0.2		ND	0.041		ND	0.31		ND	0.23		ND	0.95		ND	0.23		ND	0.45				
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.24		ND	0.2		ND	0.041		ND	0.31		ND	0.23		ND	0.95		ND	0.23		ND	0.45				
Chrysene	218-01-9	23	23	MG/KG	0.34	0.24	J	0.48	0.2	J	0.22	0.041		33	1.5		4.8	0.23		53	0.95		7.7	0.23		8.0	0.45				
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	ND	0.24		ND	0.2		0.32	0.041		9.8	0.31		1.1	0.23	J	12	0.95		5.2	0.23		6.9	0.45				
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	0.67	0.24	J	0.67	0.2	J	ND	0.041		ND	0.31		ND	0.23		ND	0.95		ND	0.23		ND	0.45				
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.24		ND	0.2		ND	0.041		ND	0.31		ND	0.23		ND	0.95		ND	0.23		ND	0.45				
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.24		ND	0.2		ND	0.041		ND	0.31		ND	0.23		ND	0.95		ND	0.23		ND	0.45				
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.24		ND	0.2		ND	0.041		0.35	0.31	J	ND	0.23		ND	0.95		ND	0.23		ND	0.45				
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	0.72		ND	0.61		ND	0.12		ND	0.92		ND	0.7		ND	2.9		ND	0.69		ND	1.3				
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.48		ND	0.4		ND	0.082		ND	0.61		ND	0.47		ND	1.9		ND	0.46		ND	0.9				
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	0.72		ND	0.61		ND	0.12		ND	0.92		ND	0.7		ND	2.9		ND	0.69		ND	1.3				
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.48		ND	0.4		ND	0.082		ND	0.61		ND	0.47		ND	1.9		ND	0.46		ND	0.9				
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.48		ND	0.4		ND	0.082		ND	0.61		ND	0.47		ND	1.9		ND	0.46		ND	0.9				
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.48		ND	0.4		ND	0.082		2.7	0.61		ND	0.47		ND	1.9		ND	0.46		ND	0.9				
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	4.8		ND	4		ND	0.82		ND	6.1		ND	4.7		ND	19		ND	4.6		ND	9				
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	1.2		ND	1		ND	0.2		ND	1.5		ND	1.2		ND	4.8		ND	1.2		ND	2.2				
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.48		ND	0.4		ND	0.082		1.6	0.61		ND	0.47		ND	1.9		ND	0.46		ND	0.9				
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.24		ND	0.2		ND	0.041		ND	0.31		ND	0.23		ND	0.95		ND	0.23		ND	0.45				
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	0.72		ND	0.61		ND	0.12		ND	0.92		ND	0.7</													



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-096 05-MET-096A 08/10/05 8.75-9.25 1			05-MET-096 05-MET-096V 08/10/05 18.5-19 1			05-MET-097 05-MET-097 08/09/05 9-9.5 1			05-MET-098 05-MET-098S 08/12/05 1.5-2 N			05-MET-098 05-MET-098 08/12/05 10.5-11 1			05-MET-098 05-MET-098V 08/12/05 17-17.5 1, 5			05-MET-099 05-MET-099 08/09/05 8-8.5 1			05-MET-100 05-MET-100 08/09/05 17.5-18 1					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																															
Acenaphthene	83-32-9	470	470	MG/KG	ND	0.47		ND	0.042		ND	0.041		0.68	0.23	J	ND	0.041		0.049	0.043	J	8.7	0.93		0.54	0.23	J			
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		2.5	0.93	J	0.26	0.23	J			
Anthracene	120-12-7	35	35	MG/KG	0.85	0.47	J	ND	0.042		ND	0.041		0.70	0.23	J	ND	0.041		0.26	0.043		19	0.93		0.88	0.23	J			
Benzdine	92-87-5	0.15	0.15	MG/KG	ND	9.3		ND	0.84		ND	0.82		ND	4.7		ND	0.82		ND	0.85		ND	19		ND	4.6				
Benzo(a)anthracene	56-55-3	32	32	MG/KG	6.3	0.47		ND	0.042		0.22	0.041		2.1	0.23		0.10	0.041	J	2.2	0.043		87	0.93		7.5	0.23				
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	8.1	0.47		ND	0.042		0.54	0.041		2.4	0.23		0.20	0.041	J	3.4	0.043		90	0.93		9.7	0.23				
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	5.0	0.47		ND	0.042		0.27	0.041		2.9	0.23		0.11	0.041	J	1.5	0.043		110	0.93		12	0.23				
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	17	0.47		ND	0.042		0.90	0.041		2.6	0.23		0.26	0.041		3.5	0.043		51	0.93		9.1	0.23				
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	1.1	0.47	J	ND	0.042		0.11	0.041	J	1.1	0.23	J	ND	0.041		0.55	0.043		58	0.93		4.9	0.23				
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.93		ND	0.084		ND	0.082		ND	0.47		ND	0.082		ND	0.085		ND	1.9		ND	0.46				
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	0.93		0.27	0.084	J	0.28	0.082	J	15	0.47		0.44	0.082		15	0.43		7.1	1.9	J	1.7	0.46	J			
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.93		ND	0.084		ND	0.082		ND	0.47		ND	0.082		ND	0.085		ND	1.9		ND	0.46				
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				
Chrysene	218-01-9	23	23	MG/KG	8.2	0.47		ND	0.042		0.29	0.041		2.3	0.23		0.099	0.041	J	2.5	0.043		56	0.93		6.7	0.23				
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	7.4	0.47		ND	0.042		0.36	0.041		1.1	0.23	J	0.13	0.041	J	1.8	0.043		23	0.93		3.7	0.23				
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	1.4		ND	0.13		ND	0.12		ND	0.7		ND	0.12		ND	0.13		ND	2.8		ND	0.69				
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.93		ND	0.084		ND	0.082		ND	0.47		ND	0.082		ND	0.085		ND	1.9		ND	0.46				
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	1.4		ND	0.13		ND	0.12		ND	0.7		ND	0.12		ND	0.13		ND	2.8		ND	0.69				
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.93		ND	0.084		ND	0.082		ND	0.47		ND	0.082		ND	0.085		ND	1.9		ND	0.46				
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.93		ND	0.084		ND	0.082		ND	0.47		ND	0.082		ND	0.085		ND	1.9		ND	0.46				
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.93		ND	0.084		ND	0.082		ND	0.47		ND	0.082		ND	0.085		ND	1.9		ND	0.46				
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	9.3		ND	0.84		ND	0.82		ND	4.7		ND	0.82		ND	0.85		ND	19		ND	4.6				
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	2.3		ND	0.21		ND	0.2		ND	1.2		ND	0.2		ND	0.21		ND	4.6		ND	1.2				
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.93		ND	0.084		ND	0.082		ND	0.47		ND	0.082		ND	0.085		ND	1.9		ND	0.46				
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.47		ND	0.042		ND	0.041		ND	0.23		ND	0.041		ND	0.043		ND	0.93		ND	0.23				



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-101 05-MET-101 08/10/05 12-12.5 1			05-MET-102 05-MET-102 08/09/05 9.5-10 1			05-MET-103 05-MET-103 08/11/05 9.5-10 1			05-MET-103 05-MET-103V 08/11/05 18.5-19 1			05-MET-104 05-MET-104S 08/11/05 1.5-2 5			05-MET-104 05-MET-104 08/11/05 10-10.5 1			05-MET-105 05-MET-105 08/09/05 11.75-12.25 1			05-MET-106 05-MET-106 08/09/05 6.5-7 1, 5					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																															
Acenaphthene	83-32-9	470	470	MG/KG	ND	0.25		ND	0.041		0.13	0.12	J	ND	0.044		4.0	1.1	J	0.044	0.043	J	0.70	0.14	J	21	0.58				
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		3.0	1.1	J	ND	0.043		ND	0.14		1.4	0.58				J
Anthracene	120-12-7	35	35	MG/KG	0.89	0.25	J	ND	0.041		ND	0.12		ND	0.044		9.2	1.1		0.19	0.043	J	2.6	0.14		16	0.58				
Benztidine	92-87-5	0.15	0.15	MG/KG	ND	5		ND	0.83		ND	2.5		ND	0.89		ND	23		ND	0.85		ND	2.8		ND	12				
Benzo(a)anthracene	56-55-3	32	32	MG/KG	1.8	0.25		0.33	0.041		0.55	0.12	J	0.054	0.044	J	17	1.1		1.0	0.043		13	0.14		17	0.58				
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	1.3	0.25		0.39	0.041		0.62	0.12		0.063	0.044	J	19	1.1		1.3	0.043		11	0.14		7.2	0.58				
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	3.2	0.25		0.17	0.041	J	0.29	0.12	J	ND	0.044		25	1.1		0.46	0.043		5.7	0.14		9.6	0.58				
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	5.0	0.25		0.45	0.041		0.59	0.12	J	0.071	0.044	J	15	1.1		1.3	0.043		7.9	0.14		5.3	0.58				
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	0.50	0.25	J	ND	0.041		ND	0.12		ND	0.044		11	1.1		0.22	0.043		1.6	0.14		3.3	0.58				
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.5		ND	0.083		ND	0.25		ND	0.089		8.3	2.3		ND	0.085		ND	0.28		ND	1.2				
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		ND	0.58				
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		ND	0.58				
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		ND	0.58				
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	0.5		0.31	0.083	J	ND	0.25		ND	0.089		53	2.3		0.57	0.085		ND	0.28		160	5.8				
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		ND	0.58				
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.5		ND	0.083		ND	0.25		ND	0.089		ND	2.3		ND	0.085		ND	0.28		ND	1.2				
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		ND	0.58				
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		ND	0.58				
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		ND	0.58				
Chrysene	218-01-9	23	23	MG/KG	8.2	0.25		0.36	0.041		0.70	0.12		0.052	0.044	J	20	1.1		1.3	0.043		13	0.14		23	0.58				
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	2.2	0.25		0.26	0.041		0.24	0.12	J	ND	0.044		5.1	1.1	J	0.51	0.043		5.9	0.14		ND	0.58				
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		4.6	0.58				
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		1.1	0.58			J	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		ND	0.58				
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		ND	0.58				
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	0.75		ND	0.12		ND	0.37		ND	0.13		ND	3.4		ND	0.13		ND	0.42		ND	1.7				
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.5		ND	0.083		ND	0.25		ND	0.089		ND	2.3		ND	0.085		ND	0.28		ND	1.2				
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	0.75		ND	0.12		ND	0.37		ND	0.13		ND	3.4		ND	0.13		ND	0.42		1.9	1.7			J	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.5		ND	0.083		ND	0.25		ND	0.089		ND	2.3		ND	0.085		ND	0.28		ND	1.2				
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.5		ND	0.083		ND	0.25		ND	0.089		5.1	2.3	J	ND	0.085		ND	0.28		ND	1.2				
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.5		ND	0.083		ND	0.25		ND	0.089		ND	2.3		ND	0.085		ND	0.28		ND	1.2				
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	5		ND	0.83		ND	2.5		ND	0.89		ND	23		ND	0.85		ND	2.8		ND	12				
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	1.2		ND	0.21		ND	0.62		ND	0.22		ND	5.7		ND	0.21		ND	0.71		ND	2.9				
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.5		ND	0.083		ND	0.25		ND	0.089		ND	2.3		ND	0.085		ND	0.28		ND	1.2				
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.25		ND	0.041		ND	0.12		ND	0.044		ND	1.1		ND	0.043		ND	0.14		ND	0.58				
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	0.75		ND	0.12		ND																				



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-107 05-MET-107 08/10/05 7.5-8 10			05-MET-108 05-MET-108 08/17/05 8.5-9 10			05-MET-109 05-MET-109S 08/17/05 1.5-2 10			05-MET-109 05-MET-109 08/17/05 5.75-6.25 10			05-MET-110 05-MET-110 08/09/05 12-12.5 1			05-MET-111 05-MET-111 08/10/05 12.75-13.25 1			05-MET-112 05-MET-112 08/09/05 9-9.5 1			05-MET-112 05-MET-112V 08/09/05 17.5-18 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																												
Acenaphthene	83-32-9	470	470	MG/KG	ND	50		ND	1.3		2.1	1.3	J	ND	11		1.8	0.75	J	0.87	0.47	J	0.27	0.18	J	ND	0.048	
Acenaphthylene	208-96-8	690	690	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		0.22	0.18	J	ND	0.048	
Anthracene	120-12-7	35	35	MG/KG	72	50	J	ND	1.3		5.9	1.3	J	32	11	J	8.6	0.75		2.3	0.47	J	0.84	0.18	J	ND	0.048	
Benazidine	92-87-5	0.15	0.15	MG/KG	ND	1000		ND	27		ND	27		ND	220		ND	15		ND	9.4		ND	3.6		ND	0.95	
Benzo(a)anthracene	56-55-3	32	32	MG/KG	1000	50		5.0	1.3	J	11	1.3		340	11		33	0.75		9.6	0.47		2.2	0.18		ND	0.048	
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	990	50		5.4	1.3	J	7.7	1.3		290	11		31	0.75		11	0.47		2.3	0.18		ND	0.048	
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	370	50		2.5	1.3	J	7.3	1.3		140	11		14	0.75		8.0	0.47		2.2	0.18		ND	0.048	
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	580	50		3.7	1.3	J	7.3	1.3		150	11		22	0.75		15	0.47		2.3	0.18		ND	0.048	
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	130	50		ND	1.3		2.2	1.3	J	27	11	J	4.8	0.75		2.2	0.47	J	1.1	0.18		ND	0.048	
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	100		ND	2.7		ND	2.7		ND	22		ND	1.5		ND	0.94		ND	0.36		ND	0.095	
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		ND	0.18		ND	0.048	
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		ND	0.18		ND	0.048	
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		ND	0.18		ND	0.048	
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	100		ND	2.7		ND	2.7		ND	22		ND	1.5		ND	0.94		2.8	0.36		0.33	0.095	J
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		ND	0.18		ND	0.048	
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	100		ND	2.7		ND	2.7		ND	22		ND	1.5		ND	0.94		ND	0.36		ND	0.095	
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		ND	0.18		ND	0.048	
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		ND	0.18		ND	0.048	
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		ND	0.18		ND	0.048	
Chrysene	218-01-9	23	23	MG/KG	1300	50		6.0	1.3	J	22	1.3		630	11		41	0.75		15	0.47		3.1	0.18		ND	0.048	
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	330	50		2.1	1.3	J	3.5	1.3	J	110	11		19	0.75		8.9	0.47		1.0	0.18		ND	0.048	
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	50		ND	1.3		2.1	1.3	J	29	11	J	ND	0.75		ND	0.47		ND	0.18		ND	0.048	
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		ND	0.18		ND	0.048	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		0.21	0.18	J	ND	0.048	
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		0.41	0.18	J	ND	0.048	
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	150		ND	4		ND	4		ND	34		ND	2.2		ND	1.4		ND	0.54		ND	0.14	
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	100		ND	2.7		ND	2.7		ND	22		ND	1.5		ND	0.94		ND	0.36		ND	0.095	
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	150		ND	4		ND	4		ND	34		ND	2.2		ND	1.4		1.3	0.54		ND	0.14	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	100		ND	2.7		ND	2.7		ND	22		ND	1.5		ND	0.94		ND	0.36		ND	0.095	
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	100		ND	2.7		ND	2.7		ND	22		ND	1.5		ND	0.94		ND	0.36		ND	0.095	
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	100		ND	2.7		ND	2.7		ND	22		ND	1.5		ND	0.94		ND	0.36		ND	0.095	
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	1000		ND	27		ND	27		ND	220		ND	15		ND	9.4		ND	3.6		ND	0.95	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	260		ND	6.7		ND	6.7		ND	56		ND	3.7		ND	2.4		ND	0.91		ND	0.24	
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	100		ND	2.7		ND	2.7		ND	22		ND	1.5		ND	0.94		ND	0.36		ND	0.095	
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		ND	0.18		ND	0.048	
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	150		ND	4		ND	4		ND	34		ND	2.2		ND	1.4		ND	0.54		ND	0.14	
1,2-Diphenylhydrazine	122-66-7	0.33	0.33	MG/KG	ND	50		ND	1.3		ND	1.3		ND	11		ND	0.75		ND	0.47		ND	0.18		ND	0.048	
Fluoranthene	206-44-0	320	320	MG/KG	120	50	J	ND	1.3		25	1.3		59	11		6.3	0.75		1.2	0.47	J	2.8	0.18		ND	0.048	
Fluorene	86-73-7	380	380	MG/KG	ND	50		ND	1.3		2.9	1.3	J	ND	11		2.7	0.75	J	0.52	0.47	J	0.56	0.18				



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-113 05-MET-113 08/09/05 10.5-11 1			05-MET-114 05-MET-114 08/08/05 16.25-16.75 1, 5			05-MET-114 05-MET-114V 08/08/05 21.75-22.25 1			05-MET-115 05-MET-115 08/08/05 13-13.5 1			05-MET-116 05-MET-116 08/10/05 12.5-13 1			05-MET-117 05-MET-117 08/08/05 6.5-7 5			05-MET-118 05-MET-118 08/09/05 8.75-9.25 1			05-MET-119 05-MET-119 08/11/05 5-5.5 10		
	CAS #	0-2'	2-15'	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
BNs																												
Acenaphthene	83-32-9	470	470	MG/KG	1.5	1.3	J	ND	0.16		ND	0.13		5.4	1.6	J	ND	0.91		ND	5.1		2.7	0.78	J	ND	17	
Acenaphthylene	208-96-8	690	690	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
Anthracene	120-12-7	35	35	MG/KG	4.5	1.3	J	ND	0.16		ND	0.13		14	1.6		1.8	0.91	J	5.4	5.1	J	2.1	0.78	J	39	17	J
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	27		ND	3.1		ND	2.6		ND	31		ND	18		ND	100		ND	16		ND	340	
Benzo(a)anthracene	56-55-3	32	32	MG/KG	21	1.3		ND	0.16		ND	0.13		8.7	1.6		5.2	0.91		74	5.1		16	0.78		580	17	
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	21	1.3		ND	0.16		ND	0.13		5.4	1.6	J	3.7	0.91	J	74	5.1		16	0.78		520	17	
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	18	1.3		ND	0.16		ND	0.13		4.5	1.6	J	3.7	0.91	J	48	5.1		9.5	0.78		210	17	
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	34	1.3		ND	0.16		ND	0.13		3.2	1.6	J	2.9	0.91	J	42	5.1		21	0.78		270	17	
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	4.3	1.3	J	ND	0.16		ND	0.13		1.8	1.6	J	2.1	0.91	J	14	5.1	J	2.6	0.78	J	61	17	J
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	2.7		ND	0.31		ND	0.26		ND	3.1		ND	1.8		ND	10		ND	1.6		ND	34	
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	2.7		1.1	0.31	J	0.95	0.26	J	46	3.1		88	1.8		ND	10		ND	1.6		ND	34	
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	2.7		ND	0.31		ND	0.26		ND	3.1		ND	1.8		ND	10		ND	1.6		ND	34	
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
Chrysene	218-01-9	23	23	MG/KG	41	1.3		ND	0.16		ND	0.13		17	1.6		7.3	0.91		170	5.1		24	0.78		780	17	
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	17	1.3		ND	0.16		ND	0.13		ND	1.6		1.3	0.91	J	29	5.1		9.7	0.78		160	17	
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	1.3		ND	0.16		ND	0.13		34	1.6		0.97	0.91	J	ND	5.1		ND	0.78		ND	17	
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	1.3		ND	0.16		ND	0.13		3.9	1.6	J	ND	0.91		ND	5.1		ND	0.78		ND	17	
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	4		ND	0.47		ND	0.39		ND	4.7		ND	2.7		ND	15		ND	2.3		ND	51	
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	2.7		ND	0.31		ND	0.26		ND	3.1		ND	1.8		ND	10		ND	1.6		ND	34	
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	4		1.4	0.47		ND	0.39		8.8	4.7		ND	2.7		ND	15		ND	2.3		ND	51	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	2.7		ND	0.31		ND	0.26		ND	3.1		ND	1.8		ND	10		ND	1.6		ND	34	
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	2.7		ND	0.31		ND	0.26		ND	3.1		ND	1.8		ND	10		ND	1.6		ND	34	
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	2.7		ND	0.31		ND	0.26		ND	3.1		ND	1.8		ND	10		ND	1.6		ND	34	
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	27		ND	3.1		ND	2.6		ND	31		ND	18		ND	100		ND	16		ND	340	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	6.7		ND	0.79		ND	0.65		ND	7.8		7.0	4.6	J	ND	26		ND	3.9		ND	85	
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	2.7		ND	0.31		ND	0.26		ND	3.1		ND	1.8		ND	10		ND	1.6		ND	34	
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	4		ND	0.47		ND	0.39		ND	4.7		ND	2.7		ND	15		ND	2.3		ND	51	
1,2-Diphenylhydrazine	122-66-7	0.33	0.33	MG/KG	ND	1.3		ND	0.16		ND	0.13		ND	1.6		ND	0.91		ND	5.1		ND	0.78		ND	17	
Fluoranthene	206-44-0	320	320	MG/KG	5.2	1.3	J	ND	0.16		ND	0.13		17	1.6		6.3	0.91		14	5.1	J	2.6	0.78	J	77	17	J
Fluorene	86-73-7	380	380	MG/KG	1.8	1.3	J	ND	0.16		ND	0.13		13	1.6		1.5	0.91	J	ND	5.1							



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-120 05-MET-120 08/10/05 8.5-9 5			05-MET-121 05-MET-121 08/10/05 8.5-9 5			05-MET-122 05-MET-122 08/08/05 6.25-6.75 5			05-MET-123 05-MET-123 08/09/05 12-12.5 1			05-MET-124 05-MET-124 08/11/05 10.75-11.25 10			05-MET-125 05-MET-125 08/10/05 8.5-9 1			05-MET-126 05-MET-126 08/10/05 8.5-9 10			05-MET-127 05-MET-127 08/11/05 6.5-7 10					
	CAS #	0-2'	2-15'	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
BNs																															
Acenaphthene	83-32-9	470	470	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		2.0	1.4	J	ND	1.3				
Acenaphthylene	208-96-8	690	690	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
Anthracene	120-12-7	35	35	MG/KG	0.89	0.65	J	ND	3.4		ND	1.5	0.74	J	1.6	1.5	J	3.9	1.4	J	0.14	0.043	J	7.4	1.4		ND	1.3			
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	13		ND	69		ND	15		ND	30		ND	28		ND	0.86		ND	28		ND	27				
Benzo(a)anthracene	56-55-3	32	32	MG/KG	8.1	0.65		5.8	3.4	J	8.5	0.74		21	1.5		20	1.4		1.1	0.043		52	1.4		3.6	1.3	J			
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	5.5	0.65		6.0	3.4	J	4.9	0.74		12	1.5		12	1.4		0.78	0.043		68	1.4		4.2	1.3	J			
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	3.2	0.65	J	ND	3.4		4.3	0.74		9.8	1.5		9.1	1.4		0.61	0.043		28	1.4		2.4	1.3	J			
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	3.4	0.65		7.6	3.4	J	3.4	0.74	J	8.4	1.5		8.7	1.4		0.73	0.043		68	1.4		4.5	1.3	J			
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	0.86	0.65	J	ND	3.4		1.2	0.74	J	2.4	1.5	J	2.3	1.4	J	0.18	0.043	J	11	1.4		ND	1.3				
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	1.3		ND	6.9		ND	1.5		ND	3		ND	2.8		ND	0.086		ND	2.8		ND	2.7				
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	6.3	1.3	J	25	6.9	J	ND	1.5		ND	3		ND	2.8		ND	0.086		ND	2.8		ND	2.7				
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	1.3		ND	6.9		ND	1.5		ND	3		ND	2.8		ND	0.086		ND	2.8		ND	2.7				
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
Chrysene	218-01-9	23	23	MG/KG	13	0.65		8.0	3.4	J	18	0.74		37	1.5		37	1.4		1.5	0.043		56	1.4		7.5	1.3				
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	2.7	0.65	J	4.0	3.4	J	3.5	0.74	J	6.0	1.5	J	5.8	1.4	J	0.49	0.043		42	1.4		2.3	1.3	J			
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		1.7	1.4	J	ND	0.043		ND	1.4		ND	1.3				
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	2		ND	10		ND	2.2		ND	4.6		ND	4.3		ND	0.13		ND	4.1		ND	4				
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	1.3		ND	6.9		ND	1.5		ND	3		ND	2.8		ND	0.086		ND	2.8		ND	2.7				
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	2		ND	10		5.0	2.2		ND	4.6		ND	4.3		ND	0.13		ND	4.1		ND	4				
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	1.3		ND	6.9		ND	1.5		ND	3		ND	2.8		ND	0.086		ND	2.8		ND	2.7				
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	1.3		ND	6.9		ND	1.5		ND	3		ND	2.8		ND	0.086		ND	2.8		ND	2.7				
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	1.3		ND	6.9		ND	1.5		ND	3		ND	2.8		ND	0.086		ND	2.8		ND	2.7				
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	13		ND	69		ND	15		ND	30		ND	28		ND	0.86		ND	28		ND	27				
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	3.3		ND	17		ND	3.7		ND	7.6		ND	7.1		ND	0.22		ND	6.9		ND	6.7				
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	1.3		ND	6.9		ND	1.5		ND	3		ND	2.8		ND	0.086		ND	2.8		ND	2.7				
2,6-Dinitrotoluene	606-20-2	10	10	MG/KG	ND	0.65		ND	3.4		ND	0.74		ND	1.5		ND	1.4		ND	0.043		ND	1.4		ND	1.3				
1,4-Dioxane	123-91-1	2.4	2.4	MG/KG	ND	2		ND	10		ND	2.2		ND	4.6		ND	4.3		ND	0.13		ND	4.1		ND	4				
1,2-Diphenylhydrazine	122-66-7	0.33	0.33	MG/KG	ND	0.65		ND	3.																						



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-128 05-MET-128 08/22/05 6.75-7.25 1			05-MET-129 05-MET-129 08/22/05 5-5.5 5			05-MET-130 05-MET-130 08/17/05 8.5-9 1			05-MET-131 05-MET-131 08/18/05 2-2.5 1, 5			05-MET-132 05-MET-132 08/16/05 11-11.5 1			05-MET-133 05-MET-133 08/23/05 8-8.5 5			05-MET-134 05-MET-134 08/23/05 7-7.5 1			05-MET-135 05-MET-135 08/23/05 8.5-9 1					
	CAS #	0-2'	2-15'	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
BNs																															
Acenaphthene	83-32-9	470	470	MG/KG	0.069	0.046	J	ND	1.3		ND	0.13		4.9	0.18		ND	0.039		ND	0.26		0.091	0.04	J	ND	0.041		ND	0.041	
Acenaphthylene	208-96-8	690	690	MG/KG	0.073	0.046	J	ND	1.3		ND	0.13		0.29	0.18	J	ND	0.039		ND	0.26		0.20	0.04		ND	0.041		ND	0.041	
Anthracene	120-12-7	35	35	MG/KG	0.24	0.046		9.5	1.3		ND	0.13		9.8	0.18		ND	0.039		0.48	0.26	J	0.32	0.04		ND	0.041		ND	0.041	
Benzidine	92-87-5	0.15	0.15	MG/KG	ND	0.91		ND	25		ND	2.6		ND	3.7		ND	0.79		ND	5.2		ND	0.8		ND	0.81		ND	0.81	
Benzo(a)anthracene	56-55-3	32	32	MG/KG	0.62	0.046		21	1.3		0.30	0.13	J	16	0.18		ND	0.039		1.2	0.26	J	0.89	0.04		ND	0.041		ND	0.041	
Benzo(a)pyrene	50-32-8	4.6	4.6	MG/KG	0.56	0.046		2.9	1.3	J	0.35	0.13	J	14	0.18		ND	0.039		1.1	0.26	J	0.91	0.04		ND	0.041		ND	0.041	
Benzo(b)fluoranthene	205-99-2	17	17	MG/KG	0.69	0.046		3.1	1.3	J	0.49	0.13	J	18	0.18		ND	0.039		1.6	0.26		1.2	0.04		ND	0.041		ND	0.041	
Benzo(g,h,i)perylene	191-24-2	18	18	MG/KG	0.35	0.046		1.3	1.3	J	0.28	0.13	J	7.6	0.18		ND	0.039		0.82	0.26	J	0.72	0.04		ND	0.041		ND	0.041	
Benzo(k)fluoranthene	207-08-9	61	61	MG/KG	0.34	0.046		1.7	1.3	J	0.20	0.13	J	7.4	0.18		ND	0.039		0.61	0.26	J	0.43	0.04		ND	0.041		ND	0.041	
Butyl benzyl phthalate	85-68-7	1000	1000	MG/KG	ND	0.091		ND	2.5		ND	0.26		0.48	0.37	J	ND	0.079		ND	0.52		ND	0.08		ND	0.081		ND	0.081	
bis(2-Chloroethoxy) methane	111-91-1	NS	NS	MG/KG	ND	0.046		ND	1.3		ND	0.13		ND	0.18		ND	0.039		ND	0.26		ND	0.04		ND	0.041		ND	0.041	
bis(2-Chloroethyl) ether	111-44-4	0.055	0.055	MG/KG	ND	0.046		ND	1.3		ND	0.13		ND	0.18		ND	0.039		ND	0.26		ND	0.04		ND	0.041		ND	0.041	
bis(2-Chloroisopropyl) ether	108-60-1	30	30	MG/KG	ND	0.046		ND	1.3		ND	0.13		ND	0.18		ND	0.039		ND	0.26		ND	0.04		ND	0.041		ND	0.041	
bis(2-Ethylhexyl) phthalate	117-81-7	13	13	MG/KG	ND	0.091		2.5	2.5	J	0.26	0.26	J	1.2	0.37	J	ND	0.079		2.0	0.52	J	ND	0.08		ND	0.081		ND	0.081	
4-Bromophenyl phenyl ether	101-55-3	NS	NS	MG/KG	ND	0.046		ND	1.3		ND	0.13		ND	0.18		ND	0.039		ND	0.26		ND	0.04		ND	0.041		ND	0.041	
4-Chloro-3-methylphenol	59-50-7	51	51	MG/KG	ND	0.091		ND	2.5		ND	0.26		ND	0.37		ND	0.079		ND	0.52		ND	0.08		ND	0.081		ND	0.081	
2-Chloronaphthalene	91-58-7	1800	1800	MG/KG	ND	0.046		ND	1.3		ND	0.13		ND	0.18		ND	0.039		ND	0.26		ND	0.04		ND	0.041		ND	0.041	
2-Chlorophenol	95-57-8	4	4	MG/KG	ND	0.046		ND	1.3		ND	0.13		ND	0.18		ND	0.039		ND	0.26		ND	0.04		ND	0.041		ND	0.041	
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	MG/KG	ND	0.046		ND	1.3		ND	0.13		ND	0.18		ND	0.039		ND	0.26		ND	0.04		ND	0.041		ND	0.041	
Chrysene	218-01-9	23	23	MG/KG	0.60	0.046		50	1.3		0.29	0.13	J	15	0.18		ND	0.039		1.4	0.26		0.86	0.04		ND	0.041		ND	0.041	
Dibenzo(a,h)anthracene	53-70-3	11	16	MG/KG	0.11	0.046	J	ND	1.3		ND	0.13		2.0	0.18		ND	0.039		ND	0.26		0.17	0.04	J	ND	0.041		ND	0.041	
1,2-Dichlorobenzene	95-50-1	60	60	MG/KG	ND	0.046		ND	1.3		ND	0.13		ND	0.18		ND	0.039		ND	0.26		ND	0.04		ND	0.041		ND	0.041	
1,3-Dichlorobenzene	541-73-1	60	60	MG/KG	ND	0.046		ND	1.3		ND	0.13		ND	0.18		ND	0.039		ND	0.26		ND	0.04		ND	0.041		ND	0.041	
1,4-Dichlorobenzene	106-46-7	7.5	7.5	MG/KG	ND	0.046		ND	1.3		ND	0.13		ND	0.18		ND	0.039		ND	0.26		ND	0.04		ND	0.041		ND	0.041	
2,4-Dichlorophenol	120-83-2	2	2	MG/KG	ND	0.046		ND	1.3		ND	0.13		ND	0.18		ND	0.039		ND	0.26		ND	0.04		ND	0.041		ND	0.041	
3,3'-Dichlorobenzidine	91-94-1	3.2	3.2	MG/KG	ND	0.14		ND	3.8		ND	0.39		ND	0.55		ND	0.12		ND	0.78		ND	0.12		ND	0.12		ND	0.12	
Diethyl phthalate	84-66-2	500	500	MG/KG	ND	0.091		ND	2.5		ND	0.26		ND	0.37		ND	0.079		ND	0.52		ND	0.08		ND	0.081		ND	0.081	
2,4-Dimethylphenol	105-67-9	200	200	MG/KG	ND	0.14		ND	3.8		ND	0.39		ND	0.55		ND	0.12		ND	0.78		ND	0.12		ND	0.12		ND	0.12	
Dimethyl phthalate	131-11-3	NS	NS	MG/KG	ND	0.091		ND	2.5		ND	0.26		ND	0.37		ND	0.079		ND	0.52		ND	0.08		ND	0.081		ND	0.081	
Di-n-butyl phthalate	84-74-2	1000	1000	MG/KG	ND	0.091		ND	2.5		ND	0.26		ND	0.37		ND	0.079		ND	0.52		ND	0.08		ND	0.081		ND	0.081	
Di-n-octylphthalate	117-84-0	1000	1000	MG/KG	ND	0.091		ND	2.5		ND	0.26		ND	0.37		ND	0.079		ND	0.52		ND	0.08		ND	0.081		ND	0.081	
2,4-Dinitrophenol	51-28-5	4.1	4.1	MG/KG	ND	0.91		ND	25		ND	2.6		ND	3.7		ND	0.79		ND	5.2		ND	0.8		ND	0.81		ND	0.81	
4,6-Dinitro-2-methylphenol	534-52-1	NS	NS	MG/KG	ND	0.23		ND	6.3		ND	0.64		ND	0.92		ND	0.2		ND	1.3		ND	0.2		ND	0.2		ND	0.2	
2,4-Dinitrotoluene	121-14-2	0.84	0.84	MG/KG	ND	0.091		ND	2.5		ND	0.26		ND	0.37		ND	0.079		ND	0.52		ND	0.08		ND	0.081				



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-001 05-MET-001 08/19/05 5.5-6 1			05-MET-002 05-MET-002 08/17/05 4.5-5 1			05-MET-003 05-MET-003 08/18/05 5.5-6 1			05-MET-004 05-MET-004 08/16/05 2-2.5 1			05-MET-005 05-MET-005 08/18/05 4.5-5 1			05-MET-006 05-MET-006 08/16/05 2.5-3 1			05-MET-007 05-MET-007 08/15/05 5-5.5 1			05-MET-008 05-MET-008 08/19/05 11.5-12 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	0.23	0.23	J	ND	0.25		ND	0.23		ND	0.21		ND	0.2		ND	0.21		ND	0.23		ND	0.2	
Cyanide		NS	NS	MG/KG	8.0	1.6		ND	1.7		ND	1.5		ND	1.5		ND	1.4		ND	1.4		ND	1.6		ND	1.4	
Total Phenolics		NS	NS	%	23.7	0.5		28.2	0.5		20.0	0.5		18.8	0.5		15.1	0.5		17.2	0.5		24.6	0.5		14.1	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-008 05-MET-008V 08/19/05 14-14.5 1			05-MET-009 05-MET-009 08/15/05 10-10.5 1			05-MET-010 05-MET-010 08/16/05 6.5-7 1			05-MET-011 05-MET-011 08/16/05 2-2.5 1			05-MET-012 05-MET-012 08/18/05 9-9.5 1			05-MET-013 05-MET-013 08/12/05 3-3.5 1			05-MET-014 05-MET-014 08/15/05 5.5-6 1			05-MET-015 05-MET-015 08/15/05 10-10.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.21		ND	0.2		ND	0.19		ND	0.22		ND	0.22		0.79	0.22		ND	0.23		ND	0.22	
Cyanide		NS	NS	MG/KG	ND	1.4		ND	1.4		ND	1.3		ND	1.5		ND	1.4		5.4	1.5		ND	1.5		ND	1.5	
Total Phenolics		NS	NS	%	17.3	0.5		14.5	0.5		8.3	0.5		17.9	0.5		16.5	0.5		20.3	0.5		22.8	0.5		20.0	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-016 05-MET-016 08/16/05 4.5-5 1			05-MET-017 05-MET-017 08/18/05 7-7.5 1			05-MET-018 05-MET-018 08/16/05 2.5-3 1			05-MET-019 05-MET-019 08/12/05 5.5-6 1			05-MET-020 05-MET-020 08/19/05 2.5-3 1			05-MET-021 05-MET-021 08/15/05 8.5-9 1			05-MET-021 05-MET-021A 08/15/05 8.5-9 1			05-MET-022 05-MET-022 08/15/05 5-5.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.2		ND	0.22		ND	0.2		ND	0.24		ND	0.22		ND	0.24		ND	0.23		ND	0.22	
Cyanide		NS	NS	MG/KG	ND	1.4		ND	1.5		ND	1.4		1.7	1.6	J	4.5	1.5	J	1.7	1.6	J	ND	1.6		ND	1.5	
Total Phenolics		NS	NS	%	15.2	0.5		19.1	0.5		11.6	0.5		26.5	0.5		22.3	0.5		26.3	0.5		24.6	0.5		20.7	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-023 05-MET-023 08/15/05 5.5-6 1			05-MET-024 05-MET-024 08/15/05 2-2.5 1			05-MET-025 05-MET-025 08/17/05 2.5-3 1			05-MET-026 05-MET-026S 08/17/05 1.5-2 1			05-MET-026 05-MET-026 08/17/05 3.5-4 1			05-MET-027 05-MET-027 08/18/05 19-19.5 1			05-MET-028 05-MET-028 08/19/05 8-8.5 1			05-MET-029 05-MET-029 08/18/05 2.5-3 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Mdl	Flag	Result	Mdl	Flag	Result	Mdl	Flag
General Chemistry	57-12-5	20	20	MG/KG	ND	0.22		ND	0.2		ND	0.21		ND	0.24		ND	0.22		ND	0.22		ND	0.21		ND	0.21	
Cyanide		NS	NS	MG/KG	ND	1.5		3.7	1.4	J	ND	1.5		ND	1.6		ND	1.5		ND	1.5		ND	1.4		ND	1.5	
Total Phenolics		NS	NS	%	18.5	0.5		12.4	0.5		17.6	0.5		24.1	0.5		21.0	0.5		19.5	0.5		16.3	0.5		19.0	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-030 05-MET-030 08/18/05 6.75-7.25 1			05-MET-031 05-MET-031 08/11/05 10.5-11 1			05-MET-032 05-MET-032 08/11/05 4.5-5 1			05-MET-033 05-MET-033 08/11/05 8.5-9 1			05-MET-034 05-MET-034 08/18/05 12.75-13.25 1			05-MET-034 05-MET-034V 08/18/05 22.5-23 1			05-MET-035 05-MET-035 08/18/05 6.5-7 1			05-MET-036 05-MET-036 08/18/05 15.5-16 1		
	CAS #	0-2'	2-15'	Units	Result	Mdl	Flag	Result	Mdl	Flag	Result	Mdl	Flag	Result	Mdl	Flag	Result	Mdl	Flag	Result	Mdl	Flag	Result	Mdl	Flag	Result	Mdl	Flag
General Chemistry	57-12-5	20	20	MG/KG	ND	0.21		ND	0.21		ND	0.23		ND	0.23		ND	0.21		ND	0.23		ND	0.25		ND	0.21	
Cyanide		NS	NS	MG/KG	ND	1.4		ND	1.5		1.8	1.5	J	5.4	1.6		3.8	1.4	J	ND	1.6		ND	1.7		ND	1.5	
Total Phenolics		NS	NS	%	17.8	0.5		19.7	0.5		22.5	0.5		24.7	0.5		14.9	0.5		24.5	0.5		29.2	0.5		18.5	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-037 05-MET-037 08/19/05 4-4.5 1			05-MET-038 05-MET-038 08/19/05 4.5-5 1			05-MET-039 05-MET-039 08/19/05 2.5-3 1			05-MET-041 05-MET-041 08/23/05 2-2.5 1			05-MET-042 05-MET-042 08/19/05 2-2.5 1			05-MET-042 05-MET-042A 08/19/05 2-2.5 1			05-MET-043 05-MET-043 08/19/05 4-4.5 1			05-MET-044 05-MET-044 08/22/05 4.5-5 1		
	CAS #	0-2'	2-15'	Units	Result	Mdl	Flag	Result	Mdl	Flag	Result	Mdl	Flag	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.23		ND	0.27		0.35	0.21	J	ND	0.22		ND	0.21		ND	0.21		0.34	0.23	J	ND	0.24	
Cyanide		NS	NS	MG/KG	3.2	1.6	J	ND	1.8		ND	1.5		ND	1.5		ND	1.5		4.8	1.5		ND	1.6		ND	1.6	
Total Phenolics		NS	NS	%	24.7	0.5		35.3	0.5		18.1	0.5		19.4	0.5		17.7	0.5		17.8	0.5		26.3	0.5		27.3	0.5	



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-046 05-MET-046 08/23/05 5.5-6 1			05-MET-047 05-MET-047 08/19/05 2-2.5 1			05-MET-048 05-MET-048 08/22/05 4.5-5 1			05-MET-049 05-MET-049 08/22/05 4.5-5 1			05-MET-049 05-MET-049A 08/22/05 4.5-5 1			05-MET-051 05-MET-051 08/22/05 4.5-5 1			05-MET-052 05-MET-052 08/23/05 4-4.5 1			05-MET-052 05-MET-052V 08/23/05 15-15.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.21		0.26	0.22	J	0.32	0.22	J	ND	0.22		ND	0.23		ND	0.24		ND	0.27		ND	0.21	
Cyanide		NS	NS	MG/KG	ND	1.4		ND	1.5		2.0	1.5	J	ND	1.5		ND	1.5		ND	1.6		ND	1.8		ND	1.4	
Total Phenolics		NS	NS	%	15.8	0.5		20.6	0.5		21.8	0.5		19.6	0.5		21.5	0.5		25.7	0.5		34.3	0.5		15.8	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-053 05-MET-053 08/23/05 5.5-6 1			05-MET-054 05-MET-054 08/23/05 2-2.5 1			05-MET-055 05-MET-055 08/23/05 5-5.5 1			05-MET-056 05-MET-056 08/23/05 4.5-5 1			05-MET-057 05-MET-057 08/16/05 10.5-11 1			05-MET-058 05-MET-058 08/16/05 12.5-13 1			05-MET-059 05-MET-059 08/17/05 17-17.5 1			05-MET-059 05-MET-059V 08/17/05 22.5-23 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	0.29	0.27	J	ND	0.23		ND	0.23		ND	0.2		ND	0.21		ND	0.21		ND	0.21		ND	0.23	
Cyanide		NS	NS	MG/KG	ND	1.8		ND	1.5		ND	1.6		ND	1.3		9.4	1.5		ND	1.4		ND	1.4		ND	1.5	
Total Phenolics		NS	NS	%	34.1	0.5		22.0	0.5		23.4	0.5		11.1	0.5		19.1	0.5		16.8	0.5		13.4	0.5		20.5	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-060 05-MET-060 08/16/05 5.5-6 1			05-MET-060 05-MET-060B 08/16/05 16.5-17 1			05-MET-060 05-MET-060V 08/16/05 34-34.5 1			05-MET-061 05-MET-061 08/15/05 7.5-8 1			05-MET-062 05-MET-062 08/15/05 5.25-5.75 1			05-MET-063 05-MET-063 08/15/05 1.75-2.25 1			05-MET-065 05-MET-065 08/15/05 29-29.5 1			05-MET-065 05-MET-065A 08/15/05 29-29.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.22		ND	0.22		ND	0.22		1.9	0.25		ND	0.24		ND	0.23		ND	0.21		ND	0.22	
Cyanide		NS	NS	MG/KG	ND	1.5		ND	1.5		ND	1.5		11.7	1.7		8.5	1.6		2.2	1.6	J	ND	1.5		ND	1.5	
Total Phenolics		NS	NS	%	20.0	0.5		19.6	0.5		20.3	0.5		30.6	0.5		27.2	0.5		23.1	0.5		18.5	0.5		19.1	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-065 05-MET-065B 08/15/05 21.25-21.75 1			05-MET-065 05-MET-065V 08/15/05 29-29.5 1			05-MET-066 05-MET-066 08/16/05 13.5-14 1			05-MET-068 05-MET-068 08/17/05 15-15.5 1			05-MET-069 05-MET-069 08/17/05 15-15.5 1			05-MET-071 05-MET-071 08/22/05 10.25-10.75 1			05-MET-072 05-MET-072 08/22/05 4-4.5 1			05-MET-074 05-MET-074 08/22/05 6.75-7.25 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.22		ND	0.2		ND	0.21		ND	0.21		ND	0.21		0.61	0.26	J	ND	0.22		ND	0.24	
Cyanide		NS	NS	MG/KG	ND	1.5		ND	1.4		ND	1.4		ND	1.4		ND	1.4		ND	1.8		ND	1.5		2.6	1.7	J
Total Phenolics		NS	NS	%	19.4	0.5		13.3	0.5		14.0	0.5		13.4	0.5		15.5	0.5		31.3	0.5		19.2	0.5		29.1	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-075 05-MET-075 08/22/05 3.75-4.25 1			05-MET-075 05-MET-075V 08/22/05 12.5-13 1			05-MET-076 05-MET-076 08/17/05 4.5-5 1			05-MET-076 05-MET-076A 08/17/05 4.5-5 1			05-MET-079 05-MET-079S 08/17/05 1.5-2 1			05-MET-079 05-MET-079 08/17/05 2-2.5 1			05-MET-080 05-MET-080 08/17/05 8.5-9 1			05-MET-081 05-MET-081 08/12/05 2.5-3 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.26		ND	0.21		0.33	0.25	J	1.5	0.29		0.99	0.25		0.36	0.26	J	ND	0.24		ND	0.21	
Cyanide		NS	NS	MG/KG	ND	1.7		ND	1.5		ND	1.5		ND	1.8		ND	1.7		ND	1.7		6.2	1.5		ND	1.4	
Total Phenolics		NS	NS	%	31.4	0.5		17.6	0.5		20.9	0.5		32.5	0.5		28.8	0.5		29.1	0.5		21.3	0.5		15.8	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-082 05-MET-082 08/12/05 2.25-2.75 1, 5			05-MET-083 05-MET-083 08/12/05 2.5-3 1, 5			05-MET-084 05-MET-084 08/12/05 7-7.5 1			05-MET-085 05-MET-085 08/12/05 7.5-8 1			05-MET-086 05-MET-086 08/12/05 2.5-3 1			05-MET-087 05-MET-087 08/11/05 4-4.5 1			05-MET-088 05-MET-088 08/11/05 3-3.5 1, 5			05-MET-089 05-MET-089 08/12/05 5-5.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	4.2	0.19		0.72	0.21		ND	0.21		ND	0.21		0.38	0.21	J	3.4	0.25		ND	0.23		ND	0.25	
Cyanide		NS	NS	MG/KG	13.1	6.7	J	22.8	7.3		2.2	1.4	J	2.5	1.5	J	ND	1.4		ND	1.6		ND	7.9		ND	1.7	
Total Phenolics		NS	NS	%	10.0	0.5		18.0	0.5		17.2	0.5		18.9	0.5		14.4	0.5		26.4	0.5		24.2	0.5		28.4	0.5	



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-090 05-MET-090 08/12/05 3-3.5 1			05-MET-090 05-MET-090A 08/12/05 3-3.5 1			05-MET-091 05-MET-091 08/12/05 10.5-11 1			05-MET-092 05-MET-092 08/09/05 7.5-8 1			05-MET-093 05-MET-093 08/11/05 6.5-7 1			05-MET-094 05-MET-094 08/11/05 5.5-6 1			05-MET-095 05-MET-095 08/10/05 12.5-13 1			05-MET-096 05-MET-096 08/10/05 8.75-9.25 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	0.30	0.25	J	ND	0.21		ND	0.21		0.64	0.54	J	ND	0.41		ND	0.34		ND	0.25		ND	0.24	
Cyanide		NS	NS	MG/KG	ND	1.7		ND	1.5		2.1	1.5	J	5.6	3.7	J	ND	2.8		ND	2.3	J	ND	1.7		ND	1.6	
Total Phenolics		NS	NS	%	30.5	0.5		17.5	0.5		18.5	0.5		67.3	0.5		57.2	0.5		47.4	0.5		27.7	0.5		25.6	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-096 05-MET-096A 08/10/05 8.75-9.25 1			05-MET-096 05-MET-096V 08/09/05 18.5-19 1			05-MET-097 05-MET-097 08/09/05 9-9.5 1			05-MET-098 05-MET-098S 08/12/05 1.5-2 1			05-MET-098 05-MET-098 08/12/05 10.5-11 1			05-MET-098 05-MET-098V 08/12/05 17-17.5 1			05-MET-099 05-MET-099 08/09/05 8-8.5 1			05-MET-100 05-MET-100 08/09/05 17.5-18 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.24		ND	0.22		ND	0.21		ND	0.24		ND	0.22		ND	0.22		ND	0.33		ND	0.4	
Cyanide		NS	NS	MG/KG	ND	1.7		ND	1.5		ND	1.5		ND	1.7		ND	1.5		ND	1.5		5.6	2.2	J	ND	2.8	
Total Phenolics		NS	NS	%	28.6	0.5		20.6	0.5		18.5	0.5		28.4	0.5		18.5	0.5		21.8	0.5		46.1	0.5		56.6	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-101 05-MET-101 08/10/05 12-12.5 1			05-MET-102 05-MET-102 08/09/05 9.5-10 1			05-MET-103 05-MET-103 08/11/05 9.5-10 1			05-MET-103 05-MET-103V 08/11/05 18.5-19 1			05-MET-104 05-MET-104S 08/11/05 1.5-2 1			05-MET-104 05-MET-104 08/11/05 10-10.5 1			05-MET-105 05-MET-105 08/09/05 11.75-12.25 1			05-MET-106 05-MET-106 08/09/05 6.5-7 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.26		ND	0.22		ND	0.21		ND	0.24		ND	0.2		ND	0.22		ND	0.25		0.54	0.31	J
Cyanide		NS	NS	MG/KG	1.9	1.8	J	ND	1.5		ND	1.5		ND	1.6		4.7	1.4		ND	1.5		6.1	1.7		7.3	2.1	
Total Phenolics		NS	NS	%	33.2	0.5		19.6	0.5		18.9	0.5		24.8	0.5		12.3	0.5		21.8	0.5		29.2	0.5		42.3	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-107 05-MET-107 08/10/05 7.5-8 1			05-MET-108 05-MET-108 08/17/05 8.5-9 1			05-MET-109 05-MET-109S 08/19/05 1.5-2 1, 10			05-MET-109 05-MET-109 08/19/05 5.75-6.25 1			05-MET-110 05-MET-110 08/09/05 12-12.5 1			05-MET-111 05-MET-111 08/10/05 12.75-13.25 1			05-MET-112 05-MET-112 08/09/05 9-9.5 1			05-MET-112 05-MET-112V 08/09/05 17.5-18 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.22		ND	0.25		2.1	0.24		ND	0.24		0.32	0.26	J	ND	0.25		0.50	0.31	J	ND	0.25	
Cyanide		NS	NS	MG/KG	7.3	1.5		ND	1.6		38.4	16.1	J	6.7	1.6		7.6	1.8		ND	1.7		6.0	2.2	J	ND	1.7	
Total Phenolics		NS	NS	%	20.2	0.5		25.3	0.5		25.6	0.5		25.7	0.5		33.0	0.5		29.3	0.5		44.8	0.5		30.1	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-113 05-MET-113 08/09/05 10.5-11 1, 10			05-MET-114 05-MET-114 08/08/05 16.25-16.75 1, 20			05-MET-114 05-MET-114V 08/08/05 21.75-22.25 1			05-MET-115 05-MET-115 08/08/05 13-13.5 1, 10			05-MET-116 05-MET-116 08/10/05 12.5-13 1, 2			05-MET-117 05-MET-117 08/08/05 6.5-7 1			05-MET-118 05-MET-118 08/09/05 8.75-9.25 1			05-MET-119 05-MET-119 08/11/05 5-5.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.24		1.6	0.28		ND	0.23		1.8	0.28		4.7	0.32		ND	0.36		0.30	0.27	J	ND	0.3	
Cyanide		NS	NS	MG/KG	18.4	16	J	74.7	37.8	J	ND	1.6		78.8	18.6		17.2	4.4		7.0	2.4	J	4.5	1.9	J	2.8	2	J
Total Phenolics		NS	NS	%	25.6	0.5		36.5	0.5		23.6	0.5		35.6	0.5		45.3	0.5		51.0	0.5		35.9	0.5		40.9	0.5	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-120 05-MET-120 08/10/05 8.5-9 1			05-MET-121 05-MET-121 08/10/05 8.5-9 1			05-MET-122 05-MET-122 08/08/05 6.25-6.75 1, 2			05-MET-123 05-MET-123 08/09/05 12-12.5 1, 2			05-MET-124 05-MET-124 08/11/05 10.75-11.25 1			05-MET-125 05-MET-125 08/10/05 8.5-9 1			05-MET-126 05-MET-126 08/10/05 8.5-9 1			05-MET-127 05-MET-127 08/11/05 6.5-7 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
General Chemistry	57-12-5	20	20	MG/KG	ND	0.23		ND	0.24		ND	0.26		0.93	0.27		0.87	0.25		ND	0.22		ND	0.24		ND	0.24	
Cyanide		NS	NS	MG/KG	5.1	1.6		2.2	1.6	J	23.8	3.5		3.7	3.6	J	6.2	1.7		ND	1.5		1.7	1.7	J	ND	1.6	
Total Phenolics		NS	NS	%	23.6	0.5		27.2	0.5		32.1	0.5		34.3	0.5		29.6	0.5		22.5	0.5		27.4	0.5		25.9	0.5	



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth Dilution Factor	05-MET-128 05-MET-128 08/22/05 6.75-7.25 1			05-MET-129 05-MET-129 08/22/05 5-5.5 1			05-MET-130 05-MET-130 08/17/05 8.5-9 1			05-MET-131 05-MET-131 08/18/05 2-2.5 1			05-MET-132 05-MET-132 08/16/05 11-11.5 1			05-MET-133 05-MET-133 08/23/05 8-8.5 1			05-MET-134 05-MET-134 08/23/05 7-7.5 1			05-MET-135 05-MET-135 08/23/05 8.5-9 1		
	CAS #	0-2'	2-15'	Units	Detection Limit      Qualifier			Detection Limit      Qualifier			Detection Limit      Qualifier			Detection Limit      Qualifier			Detection Limit      Qualifier			Detection Limit      Qualifier			Detection Limit      Qualifier					
General Chemistry	57-12-5	20	20	MG/KG	ND	0.25		ND	0.26		ND	0.23		0.29	0.19	J	ND	0.21		ND	0.28		ND	0.21		ND	0.21	
Cyanide		NS	NS	MG/KG	ND	1.6		2.5	1.8	J	ND	1.5		ND	1.3		ND	1.4		ND	1.9		1.6	1.4	J	ND	1.5	
Total Phenolics		NS	NS	%	26.8	0.5		33.6	0.5		22.1	0.5		9.0	0.5		15.2	0.5		36.2	0.5		16.2	0.5		18.2	0.5	
Moisture Content																												



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-001 05-MET-001 08/19/05 5.5-6 1000			05-MET-002 05-MET-002 08/17/05 4.5-5 1, 50			05-MET-003 05-MET-003 08/18/05 5.5-6 1			05-MET-004 05-MET-004 08/16/05 2-2.5 10			05-MET-005 05-MET-005 08/18/05 4.5-5 1			05-MET-006 05-MET-006 08/16/05 2.5-3 1, 10			05-MET-007 05-MET-007 08/15/05 5-5.5 20			05-MET-008 05-MET-008 08/19/05 11.5-12 1					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Pesticides/PCBs																															
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.223		ND	0.0118		ND	0.000213		ND	0.00209		ND	0.0002		ND	0.00205		ND	0.00451		ND	0.000198				
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	9.7		ND	0.515		ND	0.00925		ND	0.0911		ND	0.00872		ND	0.0894		ND	0.196		ND	0.00861				
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	4.33		ND	0.23		ND	0.00413		ND	0.0406		ND	0.00389		ND	0.0399		ND	0.0875		ND	0.00384				
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	6.29		ND	0.334		ND	0.006		ND	0.0591		ND	0.00565		ND	0.058		ND	0.127		ND	0.00559				
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	3.93		ND	0.209		ND	0.00375		ND	0.0369		ND	0.00353		ND	0.0362		ND	0.0796		ND	0.00349				
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	52.4	14.4		1.04	0.138	J	ND	0.0138		ND	0.135		ND	0.013		ND	0.133		1.17	0.292		ND	0.0128				
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	31.0	4.33		1.61	0.23		0.00464	0.00413	J	ND	0.0406		0.00778	0.00389	J	ND	0.0399		0.320	0.0875	J	ND	0.0198				
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	32.4	14.4	J	ND	0.766		ND	0.0138		ND	0.135		ND	0.013		ND	0.133		0.447	0.292	J	ND	0.0128				
Alpha BHC	319-84-6	0.041	0.041	MG/KG	ND	0.223		ND	0.0118		ND	0.000213		ND	0.00209		ND	0.0002		ND	0.00205		ND	0.00451		ND	0.000198				
Beta BHC	319-85-7	0.14	0.14	MG/KG	ND	0.223		ND	0.0118		0.000276	0.000213	J	ND	0.00209		ND	0.0002		ND	0.00205		ND	0.00451		ND	0.000198				
Delta BHC	319-86-8	6.1	6.1	MG/KG	ND	0.275		ND	0.0169		ND	0.000263		ND	0.00259		ND	0.000247		ND	0.00254		ND	0.00557		ND	0.000244				
Gamma BHC - Lindane	58-89-9	0.02	0.02	MG/KG	ND	0.223		ND	0.0118		ND	0.000213		ND	0.00209		ND	0.0002		ND	0.00205		ND	0.00451		ND	0.000198				
Chlordane	57-74-9	4.9	4.9	MG/KG	27.1	5.24		1.67	0.279		ND	0.005		ND	0.0493		ND	0.00471		ND	0.0483		ND	0.106		ND	0.00466				
p,p-DDD	72-54-8	3	3	MG/KG	ND	2.36		ND	0.023		ND	0.000413		0.00733	0.00406	J	ND	0.00105		ND	0.00399		ND	0.00875		ND	0.000384				
p,p-DDE	72-55-9	17	17	MG/KG	ND	11.8		ND	0.242		ND	0.000413		ND	0.00406		ND	0.000671		ND	0.00399		ND	0.0179		ND	0.000384				
p,p-DDT	50-29-3	33	33	MG/KG	ND	0.433		ND	0.023		ND	0.000413		ND	0.00406		ND	0.000389		ND	0.00399		ND	0.0134		0.000710	0.000384	J			
Dieldrin	60-57-1	0.044	0.044	MG/KG	ND	2.23		ND	0.116		ND	0.000413		ND	0.00406		ND	0.000389		ND	0.00399		ND	0.00875		ND	0.000384				
Endosulfan I	959-98-8	50	50	MG/KG	ND	0.223		ND	0.0118		ND	0.000213		ND	0.00209		ND	0.0002		ND	0.00205		ND	0.00451		ND	0.000198				
Endosulfan II	33213-65-9	45	45	MG/KG	ND	0.433		ND	0.023		ND	0.000413		ND	0.00406		ND	0.000389		ND	0.00399		ND	0.00875		ND	0.000384				
Endosulfan Sulfate	1031-07-8	12	12	MG/KG	ND	0.433		ND	0.023		ND	0.000413		ND	0.00406		ND	0.000389		ND	0.00399		ND	0.00875		ND	0.000384				
Endrin	72-20-8	0.55	0.55	MG/KG	ND	0.433		ND	0.023		ND	0.000413		ND	0.00406		ND	0.000389		ND	0.00399		ND	0.00875		ND	0.000384				
Endrin Aldehyde	7421-93-4	NS	NS	MG/KG	ND	2.23		ND	0.023		ND	0.000413		ND	0.00406		ND	0.000389		ND	0.00399		ND	0.00875		ND	0.000384				
Heptachlor	76-44-8	0.068	0.068	MG/KG	ND	0.223		ND	0.0118		ND	0.000213		ND	0.00209		ND	0.0002		ND	0.00205		ND	0.00451		ND	0.000198				
Heptachlor Epoxide	1024-57-3	0.11	0.11	MG/KG	ND	1.09		ND	0.0118		ND	0.000213		ND	0.00209		ND	0.0002		ND	0.00205		ND	0.00451		ND	0.000198				
Methoxychlor	72-43-5	63	63	MG/KG	ND	2.23		ND	0.118		ND	0.00213		ND	0.0209		ND	0.002		ND	0.0205		ND	0.0451		ND	0.00198				
Toxaphene	8001-35-2	0.3	0.3	MG/KG	ND	14.4		ND	0.766		ND	0.0138		ND	0.135		ND	0.013		ND	0.133		ND	0.292		ND	0.0128				
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	NS	MG/KG	NA			1.70E-06	6.30E-07		NA			NA			NA			ND	6.10E-07		NA			NA					

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-008 05-MET-008V 08/19/05 14-14.5 1			05-MET-009 05-MET-009 08/15/05 10-10.5 1			05-MET-010 05-MET-010 08/18/05 6.5-7 50			05-MET-011 05-MET-011 08/16/05 2-2.5 20			05-MET-012 05-MET-012 08/18/05 9-9.5 10			05-MET-013 05-MET-013 08/12/05 3-3.5 250			05-MET-014 05-MET-014 08/15/05 5.5-6 20			05-MET-015 05-MET-015 08/15/05 10-10.5 1					
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Pesticides/PCBs																															
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.000206		ND	0.000199		ND	0.00927		ND	0.00414		ND	0.00204		ND	0.0533		ND	0.0132		ND	0.000213				
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.00895		ND	0.00865		ND	0.403		ND	0.18		ND	0.0886		ND	2.32		ND	0.575		ND	0.00925				
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.00399		ND	0.00386		ND	0.00386		ND	0.0804		ND	0.0395		ND	1.04		ND	0.256		ND	0.00413				
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.0058		ND	0.00561		ND	0.262		ND	0.117		ND	0.0575		ND	1.51		ND	0.373		ND	0.006				
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.00363		ND	0.00351		ND	0.164		ND	0.0731		ND	0.0359		ND	0.941		ND	0.233		ND	0.00375				
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	0.0133		ND	0.0129		ND																				



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-016 05-MET-016 08/16/05 4.5-5 5			05-MET-017 05-MET-017 08/18/05 7-7.5 10			05-MET-018 05-MET-018 08/16/05 2.5-3 10			05-MET-019 05-MET-019 08/12/05 5.5-9 20			05-MET-020 05-MET-020 08/19/05 2.5-3 1, 50			05-MET-021 05-MET-021 08/15/05 8.5-9 20			05-MET-021 05-MET-021A 08/15/05 8.5-9 20			05-MET-022 05-MET-022 08/15/05 5-5.5 1		
	CAS #	0-2'	2-15'	Units	Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier		
Pesticides/PCBs																												
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.001		ND	0.0021		ND	0.00192		ND	0.00463		ND	0.0109		ND	0.0138		ND	0.0135		ND	0.000214	
PCB- 1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.0436		ND	0.0915		ND	0.0837		ND	0.201		ND	0.476		ND	0.602		ND	0.589		ND	0.00933	
PCB- 1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.0195		ND	0.0408		ND	0.0373		ND	0.0898		ND	0.212		ND	0.269		ND	0.263		ND	0.00416	
PCB- 1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.0283		ND	0.0593		ND	0.0543		ND	0.131		ND	0.309		ND	0.391		ND	0.382		ND	0.00605	
PCB- 1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.0177		ND	0.0371		ND	0.0339		ND	0.0816		ND	0.193		ND	0.244		ND	0.239		ND	0.00378	
PCB- 1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	0.0649		ND	0.136		ND	0.124		ND	0.299		ND	0.708		ND	0.896		ND	0.875		ND	0.0139	
PCB- 1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	ND	0.0195		ND	0.0408		ND	0.0373		ND	0.0898		ND	0.212		ND	0.269		ND	0.263		ND	0.00416	
PCB- 1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	ND	0.0649		ND	0.136		ND	0.124		ND	0.299		ND	0.708		ND	0.896		ND	0.875		ND	0.0139	
Alpha BHC	319-84-6	0.041	0.041	MG/KG	ND	0.001		ND	0.0021		ND	0.00192		ND	0.00463		ND	0.0109		ND	0.0138		ND	0.0135		ND	0.000214	
Beta BHC	319-85-7	0.14	0.14	MG/KG	ND	0.001		ND	0.0021		ND	0.00192		ND	0.00463		ND	0.0109		ND	0.0138		ND	0.0135		ND	0.000214	
Delta BHC	319-86-8	6.1	6.1	MG/KG	ND	0.00124		ND	0.0026		ND	0.00238		ND	0.00571		ND	0.0135		ND	0.0171		ND	0.0167		ND	0.000265	
Gamma BHC - Lindane	58-89-9	0.02	0.02	MG/KG	ND	0.001		ND	0.0021		ND	0.00192		ND	0.00463		ND	0.0109		ND	0.0138		ND	0.0135		ND	0.000214	
Chlordane	57-74-9	4.9	4.9	MG/KG	ND	0.0236		ND	0.0494		ND	0.0452		ND	0.109		ND	0.257		ND	0.326		ND	0.318		ND	0.00504	
p,p-DDD	72-54-8	3	3	MG/KG	ND	0.00195		ND	0.00408		0.00730	0.00373	J	ND	0.00898		ND	0.0212		0.0636	0.0269	J	0.115	0.0263	J	ND	0.000416	
p,p-DDE	72-55-9	17	17	MG/KG	ND	0.00195		ND	0.00408		ND	0.00373		ND	0.00898		ND	0.0212		ND	0.0269		ND	0.0263		ND	0.000416	
p,p-DDT	50-29-3	33	33	MG/KG	ND	0.00195		ND	0.00408		ND	0.00373		ND	0.00898		ND	0.0212		ND	0.0269		ND	0.0263		ND	0.000416	
Dieldrin	60-57-1	0.044	0.044	MG/KG	ND	0.00195		ND	0.00408		ND	0.00373		ND	0.00898		ND	0.0212		ND	0.0269		ND	0.0263		ND	0.000416	
Endosulfan I	959-98-8	50	50	MG/KG	ND	0.001		ND	0.0021		ND	0.00192		ND	0.00463		ND	0.0109		ND	0.0138		ND	0.0135		ND	0.000214	
Endosulfan II	33213-65-9	45	45	MG/KG	ND	0.00195		ND	0.00408		ND	0.00373		ND	0.00898		ND	0.0212		ND	0.0269		ND	0.0263		ND	0.000416	
Endosulfan Sulfate	1031-07-8	12	12	MG/KG	ND	0.00195		ND	0.00408		ND	0.00373		ND	0.00898		ND	0.0212		ND	0.0269		ND	0.0263		ND	0.000416	
Endrin	72-20-8	0.55	0.55	MG/KG	ND	0.00195		ND	0.00408		ND	0.00373		ND	0.00898		ND	0.0212		ND	0.0269		ND	0.0263		0.000525	0.000416	J
Endrin Aldehyde	7421-93-4	NS	NS	MG/KG	ND	0.00195		ND	0.00408		ND	0.00373		ND	0.00898		ND	0.0212		ND	0.0269		ND	0.0263		ND	0.000416	
Heptachlor	76-44-8	0.068	0.068	MG/KG	ND	0.001		ND	0.0021		ND	0.00192		ND	0.00463		ND	0.0109		ND	0.0138		ND	0.0135		ND	0.000214	
Heptachlor Epoxide	1024-57-3	0.11	0.11	MG/KG	ND	0.001		ND	0.0021		ND	0.00192		ND	0.00463		ND	0.0109		ND	0.0138		ND	0.0135		ND	0.000214	
Methoxychlor	72-43-5	63	63	MG/KG	ND	0.01		ND	0.021		ND	0.0192		ND	0.0463		ND	0.109		ND	0.138		ND	0.135		ND	0.00214	
Toxaphene	8001-35-2	0.3	0.3	MG/KG	ND	0.0649		ND	0.136		ND	0.124		ND	0.299		ND	0.708		ND	0.896		ND	0.875		ND	0.0139	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	NS	MG/KG	NA			NA			NA			NA			ND	6.40E-07		NA			NA			NA		

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-023 05-MET-023 08/15/05 5.5-6 1, 20			05-MET-024 05-MET-024 08/15/05 2-2.5 20			05-MET-025 05-MET-025 08/17/05 2.5-3 20			05-MET-026 05-MET-026S 08/17/05 1.5-2 100			05-MET-026 05-MET-026 08/17/05 3.5-4 20			05-MET-027 05-MET-027 08/18/05 19-19.5 20			05-MET-028 05-MET-028 08/19/05 8-8.5 1			05-MET-029 05-MET-029 08/18/05 2.5-3 1		
	CAS #	0-2'	2-15'	Units	Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier		
Pesticides/PCBs																												
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.00417		ND	0.00388		ND	0.0124		ND	0.0672		ND	0.0043		ND	0.00422		ND	0.000203		ND	0.00021	
PCB- 1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.182		ND	0.169		ND	0.539		ND	2.92		ND	0.187		ND	0.184		ND	0.00884		ND	0.00914	
PCB- 1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.081		ND	0.0753		ND	0.24		ND	1.3		ND	0.0835		ND	0.082		ND	0.00394		ND	0.00407	
PCB- 1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.118		ND	0.11		ND	0.35		ND	1.9		ND	0.122		ND	0.119		ND	0.00573		ND	0.00593	
PCB- 1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.0736		ND	0.0685		ND	0.218		ND	1.19		ND	0.0759		ND	0.0745		ND	0.00358		ND	0.0037	
PCB- 1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	0.27		ND	0.251		1.13	0.801	J	ND	4.35		ND	0.278		ND	0.273		ND	0.0131		ND	0.0136	
PCB- 1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	ND	0.081		ND	0.0753		0.989	0.24	J	ND	1.3		ND	0.0835		ND	0.082		ND	0.00394		ND	0.00407	
PCB- 1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	ND	0.27		ND	0.251		ND	0.801		ND	4.35		ND	0.278		ND	0.273		ND	0.0131		ND	0.0136	
Alpha BHC	319-84-6	0.041	0.041	MG/KG	ND	0.00417		ND	0.00388		ND	0.0124		ND	0.0672		ND	0.0043		ND	0.00422		ND	0.000203		ND	0.00021	
Beta BHC	319-85-7	0.14	0.14	MG/KG	ND	0.00417		ND	0.00388		ND	0.0124		ND	0.0672		ND	0.0043		ND	0.00422		ND	0.000203		ND	0.00021	
Delta BHC	319-86-8	6.1	6.1	MG/KG	ND	0.00515		ND	0.00479		ND	0.0153		ND	0.083		ND	0.00532		ND	0.00522		ND	0.000251		ND	0.000259	
Gamma BHC - Lindane	58-89-9	0.02	0.02	MG/KG	ND	0.00417		ND	0.00388		ND	0.0124		ND	0.0672		ND	0.0043		ND	0.00422		ND	0.000203		ND	0.00021	
Chlordane	57-74-9	4.9	4.9	MG/KG	ND	0.0982		ND	0.0913		ND	0.291		ND	1.58		ND	0.101		ND	0.0994		ND	0.00478		ND	0.00494	
p,p-DDD	72-54-8	3	3	MG/KG	ND	0.0081		0.0218	0.00753	J	ND	0.024		ND	0.13		ND	0.00835		ND	0.0082		ND	0.000394		ND	0.000407	
p,p-DDE	72-55-9	17	17	MG/KG	ND	0.0081		ND	0.00753		ND	0.0352		ND	0.13		ND	0.00835		ND	0.0082		0.000418	0.000394	J	ND	0.000407	
p,p-DDT	50-29-3	33	33	MG/KG	ND	0.0081		0.0124	0.00753	J	ND	0.024		ND	0.13		ND	0.00835		ND	0.0082		ND	0.000394		ND	0.000407	
Dieldrin	60-57-1	0.044	0.044	MG/KG	ND	0.0081		ND	0.00753		ND	0.0498		ND	0.13		ND	0.00835		ND	0.0082		ND	0.000394		ND	0.000407	
Endosulfan I	959-98-8	50	50	MG/KG	ND	0.00417		ND	0.00388		ND	0.0124		ND	0.0672		ND	0.0043		ND	0.00422		ND	0.000203		ND	0.00021	



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-030 05-MET-030 08/18/05 6.75-7.25 1			05-MET-031 05-MET-031 08/11/05 10.5-11 10			05-MET-032 05-MET-032 08/11/05 4.5-5 20			05-MET-033 05-MET-033 08/11/05 8.5-9 1, 10			05-MET-034 05-MET-034 08/18/05 12.75-13.25 50			05-MET-034 05-MET-034V 08/18/05 22.5-23 5			05-MET-035 05-MET-035 08/18/05 6.5-7 1, 100			05-MET-036 05-MET-036 08/18/05 15.5-16 10			
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	
Pesticides/PCBs																													
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.000207		ND	0.00212		ND	0.00439		ND	0.00226		ND	0.00999		ND	0.00113		ND	0.024		ND	0.00209		
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.009		ND	0.0922		ND	0.191		ND	0.0983		ND	0.435		ND	0.049		ND	1.05		ND	0.0908		
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.00401		ND	0.0411		ND	0.0852		ND	0.0438		ND	0.194		ND	0.0219		ND	0.466		ND	0.0405		
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.00584		ND	0.0598		ND	0.124		ND	0.0637		ND	0.282		ND	0.0318		ND	0.678		ND	0.0589		
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.00365		ND	0.0374		ND	0.0774		ND	0.0398		ND	0.176		ND	0.0199		ND	0.424		ND	0.0368		
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	0.0134		ND	0.137		ND	0.284		ND	0.146		ND	0.646		ND	0.0728		ND	1.55		ND	0.135		
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	ND	0.00401		ND	0.0411		ND	0.0852		ND	0.0438		ND	0.194		ND	0.0219		ND	0.466		ND	0.0405		
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	ND	0.0134		ND	0.137		ND	0.284		ND	0.146		ND	0.646		ND	0.0728		ND	1.55		ND	0.135		
Alpha BHC	319-84-6	0.041	0.041	MG/KG	ND	0.000207		ND	0.00212		ND	0.00439		ND	0.00226		ND	0.00999		ND	0.00113		ND	0.024		ND	0.00209		
Beta BHC	319-85-7	0.14	0.14	MG/KG	ND	0.000207		ND	0.00212		ND	0.00439		ND	0.00226		ND	0.00999		ND	0.00113		ND	0.024		ND	0.00209		
Delta BHC	319-86-8	6.1	6.1	MG/KG	ND	0.000255		ND	0.00262		0.0141	0.00542	J	ND	0.00279		ND	0.0123		ND	0.00139		ND	0.0297		ND	0.00258		
Gamma BHC - Lindane	58-89-9	0.02	0.02	MG/KG	ND	0.000207		ND	0.00212		0.0201	0.00439	J	ND	0.00226		ND	0.00999		ND	0.00113		ND	0.024		ND	0.00209		
Chlordane	57-74-9	4.9	4.9	MG/KG	ND	0.00487		ND	0.0498		ND	0.103		ND	0.0531		ND	0.235		ND	0.0265		ND	0.565		ND	0.0491		
p,p-DDD	72-54-8	3	3	MG/KG	ND	0.000401		ND	0.00411		ND	0.00852		ND	0.00438		ND	0.0194		ND	0.00219		ND	0.0466		ND	0.00405		
p,p-DDE	72-55-9	17	17	MG/KG	ND	0.000401		ND	0.00411		0.0202	0.00852	J	ND	0.00438		ND	0.0194		ND	0.00219		ND	0.0466		ND	0.00405		
p,p-DDT	50-29-3	33	33	MG/KG	0.000554	0.000401	J	ND	0.00411		0.0165	0.00852	J	ND	0.00438		0.0205	0.0194	J	ND	0.00219		ND	0.0466		ND	0.00405		
Dieldrin	60-57-1	0.044	0.044	MG/KG	ND	0.000401		ND	0.00411		ND	0.00852		ND	0.00438		ND	0.0194		ND	0.00219		ND	0.0466		ND	0.00405		
Endosulfan I	959-98-8	50	50	MG/KG	ND	0.000207		ND	0.00212		ND	0.00439		ND	0.00226		ND	0.00999		ND	0.00113		ND	0.024		ND	0.00209		
Endosulfan II	33213-65-9	45	45	MG/KG	ND	0.000401		ND	0.00411		0.0179	0.00852	J	ND	0.00438		ND	0.0194		ND	0.00219		ND	0.0466		ND	0.00405		
Endosulfan Sulfate	1031-07-8	12	12	MG/KG	ND	0.000401		ND	0.00411		ND	0.00852		ND	0.00438		ND	0.0194		ND	0.00219		ND	0.0466		ND	0.00405		
Endrin	72-20-8	0.55	0.55	MG/KG	ND	0.000401		ND	0.00411		ND	0.00852		0.00761	0.00438	J	0.0348	0.0194	J	ND	0.00219		0.0666	0.0466	J	ND	0.00405		
Endrin Aldehyde	7421-93-4	NS	NS	MG/KG	ND	0.000401		ND	0.00411		ND	0.00852		ND	0.00438		ND	0.0194		ND	0.00219		ND	0.0466		ND	0.00405		
Heptachlor	76-44-8	0.068	0.068	MG/KG	ND	0.000207		ND	0.00212		ND	0.00439		ND	0.00226		ND	0.00999		ND	0.00113		ND	0.024		ND	0.00209		
Heptachlor Epoxide	1024-57-3	0.11	0.11	MG/KG	ND	0.000207		ND	0.00212		ND	0.00439		ND	0.00226		ND	0.00999		ND	0.00113		ND	0.024		ND	0.00209		
Methoxychlor	72-43-5	63	63	MG/KG	ND	0.00207		ND	0.0212		ND	0.0439		ND	0.0226		ND	0.0999		ND	0.0113		ND	0.24		ND	0.0209		
Toxaphene	8001-35-2	0.3	0.3	MG/KG	ND	0.0134		ND	0.137		ND	0.284		ND	0.146		ND	0.646		ND	0.0728		ND	1.55		ND	0.135		
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	NS	MG/KG	NA			NA			NA			ND	6.70E-07		NA			NA		ND	7.00E-07		NA		NA		
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-037 05-MET-037 08/19/05 4-4.5 10, 5			05-MET-038 05-MET-038 08/19/05 4.5-5 10			05-MET-039 05-MET-039 08/19/05 2.5-3 1, 20			05-MET-041 05-MET-041 08/23/05 2-2.5 5			05-MET-042 05-MET-042 08/19/05 2-2.5 10			05-MET-042 05-MET-042A 08/19/05 2-2.5 10			05-MET-043 05-MET-043 08/19/05 4-4.5 100, 50			05-MET-044 05-MET-044 08/22/05 4.5-5 200			
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	
Pesticides/PCBs																													
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.00339		ND	0.00788		ND	0.00415		ND	0.00105		ND	0.00207		ND	0.00207		ND	0.0115		ND	0.0468		
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.147		ND	0.343		ND	0.181		ND	0.0459		ND	0.0899		ND	0.09		ND	0.502		ND	2.04		
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.0657		ND	0.153		ND	0.0806		ND	0.0205		ND	0.0401		ND	0.0401		ND	0.224		ND	0.908		
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.0956		ND	0.223		ND	0.117		ND	0.0298		ND	0.0583		ND	0.0584		ND	0.326		ND	1.32		
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.0598		ND	0.139		ND	0.0733		ND	0.0186		ND	0.0365		ND	0.0365		ND	0.204		ND	0.825		
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	0.219		ND	0.51		ND	0.269		ND	0.0682		ND	0.134		ND	0.134		3.92	0.746		ND	3.03		
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	ND	0.0657		ND	0.153		0.568	0.0806		ND	0.0205		0.0722	0.0401	J	0.0770	0.0401	J	2.27	0.224		2.00	0.908	J	
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	ND	0.219		ND	0.51																				



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-046 05-MET-046 08/23/05 5.5-6 1			05-MET-047 05-MET-047 08/19/05 2-2.5 20			05-MET-048 05-MET-048 08/22/05 4.5-5 10			05-MET-049 05-MET-049 08/22/05 4.5-5 20			05-MET-049 05-MET-049A 08/22/05 4.5-5 20			05-MET-051 05-MET-051 08/23/05 4.5-5 50			05-MET-052 05-MET-052 08/23/05 4-4.5 25			05-MET-052 05-MET-052V 08/23/05 15-15.5 1			
	CAS #	0-2'	2-15'	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	
Pesticides/PCBs																													
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.000202		ND	0.00428		ND	0.00217		ND	0.00423		ND	0.00433		ND	0.0114		ND	0.00647		ND	0.000202		
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.00879		ND	0.186		ND	0.0946		ND	0.184		ND	0.189		ND	0.498		ND	0.282		ND	0.00879		
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.00392		ND	0.0831		ND	0.0422		ND	0.0821		ND	0.0841		ND	0.222		ND	0.126		ND	0.00392		
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.0057		ND	0.121		ND	0.0614		ND	0.119		ND	0.122		ND	0.323		ND	0.183		ND	0.0057		
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.00356		ND	0.0756		ND	0.0384		ND	0.0746		ND	0.0764		ND	0.202		ND	0.114		ND	0.00356		
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	0.0131		ND	0.277		0.626	0.141		ND	0.274		ND	0.28		ND	0.74		ND	0.419		ND	0.0131		
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	ND	0.00392		ND	0.428		0.737	0.0422		ND	0.0821		ND	0.0841		ND	0.222		ND	0.126		ND	0.00392		
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	ND	0.0131		ND	0.831		ND	0.422		ND	0.274		ND	0.28		ND	0.74		ND	0.419		ND	0.0131		
Alpha BHC	319-84-6	0.041	0.041	MG/KG	ND	0.000202		0.0108	0.00428	J	0.00857	0.00217	J	ND	0.00423		ND	0.00433		ND	0.0114		0.0192	0.00647	J	ND	0.000202		
Beta BHC	319-85-7	0.14	0.14	MG/KG	ND	0.000202		0.00430	0.00428	J	ND	0.00217		ND	0.00423		ND	0.00433		ND	0.0114		0.00907	0.00647	J	ND	0.000202		
Delta BHC	319-86-8	6.1	6.1	MG/KG	ND	0.000249		ND	0.00529		ND	0.00269		ND	0.00522		ND	0.00535		ND	0.0141		ND	0.00799		ND	0.000249		
Gamma BHC - Lindane	58-89-9	0.02	0.02	MG/KG	ND	0.000202		ND	0.00428		ND	0.00217		ND	0.00423		ND	0.00433		ND	0.0114		ND	0.00647		ND	0.000202		
Chlordane	57-74-9	4.9	4.9	MG/KG	ND	0.00475		ND	0.101		ND	0.0512		ND	0.0995		ND	0.102		ND	0.269		ND	0.152		ND	0.00475		
p,p-DDD	72-54-8	3	3	MG/KG	0.000913	0.000392	J	0.214	0.00831		0.0835	0.00422		0.321	0.00821		0.223	0.00841		0.0659	0.0222	J	0.167	0.0126		ND	0.000392		
p,p-DDE	72-55-9	17	17	MG/KG	ND	0.000392		0.0777	0.00831		ND	0.0486		0.0349	0.00821	J	0.0263	0.00841	J	ND	0.0222		0.121	0.0126		ND	0.000392		
p,p-DDT	50-29-3	33	33	MG/KG	ND	0.000392		0.327	0.00831		ND	0.0512		0.0286	0.00821	J	0.0367	0.00841	J	ND	0.0222		0.0258	0.0126	J	ND	0.000392		
Dieldrin	60-57-1	0.044	0.044	MG/KG	ND	0.000392		ND	0.00831		ND	0.0217		ND	0.00821		0.0195	0.00841	J	0.0445	0.0222	J	ND	0.0126		ND	0.000392		
Endosulfan I	959-98-8	50	50	MG/KG	ND	0.000202		ND	0.00428		ND	0.00217		ND	0.00423		ND	0.00433		ND	0.0114		ND	0.00647		ND	0.000202		
Endosulfan II	33213-65-9	45	45	MG/KG	ND	0.000392		0.0353	0.00831	J	ND	0.00422		ND	0.00821		ND	0.00841		ND	0.0222		ND	0.0126		ND	0.000392		
Endosulfan Sulfate	1031-07-8	12	12	MG/KG	ND	0.000392		ND	0.00831		ND	0.00422		ND	0.00821		ND	0.00841		ND	0.0222		ND	0.0126		ND	0.000392		
Endrin	72-20-8	0.55	0.55	MG/KG	ND	0.000392		0.0109	0.00831	J	ND	0.00422		ND	0.00821		ND	0.00841		ND	0.0222		ND	0.0126		ND	0.000392		
Endrin Aldehyde	7421-93-4	NS	NS	MG/KG	ND	0.000392		ND	0.00831		ND	0.00422		ND	0.00821		ND	0.00841		ND	0.0222		ND	0.0126		ND	0.000392		
Heptachlor	76-44-8	0.068	0.068	MG/KG	ND	0.000202		ND	0.00428		ND	0.00217		ND	0.00423		ND	0.00433		ND	0.0114		ND	0.00647		ND	0.000202		
Heptachlor Epoxide	1024-57-3	0.11	0.11	MG/KG	ND	0.000202		ND	0.00428		ND	0.00217		ND	0.00423		ND	0.00433		ND	0.0114		ND	0.0316		ND	0.000202		
Methoxychlor	72-43-5	63	63	MG/KG	ND	0.00202		ND	0.0428		ND	0.0217		ND	0.0423		ND	0.0433		ND	0.114		ND	0.0647		ND	0.00202		
Toxaphene	8001-35-2	0.3	0.3	MG/KG	ND	0.0131		ND	0.277		ND	0.141		ND	0.274		ND	0.28		ND	0.74		ND	0.419		ND	0.0131		
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	NS	MG/KG	NA			NA			NA			NA			NA			NA			NA			NA			
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-053 05-MET-053 08/23/05 5.5-6 10, 100			05-MET-054 05-MET-054 08/23/05 2-2.5 20			05-MET-055 05-MET-055 08/23/05 5-5.5 10, 2			05-MET-056 05-MET-056 08/23/05 4.5-5 5			05-MET-057 05-MET-057 08/16/05 10.5-11 10			05-MET-058 05-MET-058 08/16/05 12.5-13 1			05-MET-059 05-MET-059 08/17/05 17-17.5 20			05-MET-059 05-MET-059V 08/17/05 22.5-23 1			
	CAS #	0-2'	2-15'	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	
Pesticides/PCBs																													
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.00258		ND	0.00436		ND	0.00222		ND	0.000956		ND	0.0021		ND	0.000204		ND	0.00393		ND	0.000214		
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.112		ND	0.19		ND	0.0966		ND	0.0416		ND	0.0915		ND	0.00889		ND	0.171		ND	0.00931		
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.0501		ND	0.0846		ND	0.0431		ND	0.0186		ND	0.0408		ND	0.00397		ND	0.0762		ND	0.00415		
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.0728		ND	0.123		ND	0.0627		ND	0.027		ND	0.0593		ND	0.00577		ND	0.111		ND	0.00604		
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.0455		ND	0.0769		ND	0.0392		ND	0.0169		ND	0.0371		ND	0.00361		ND	0.0693		ND	0.00377		
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	0.167		ND	0.282		ND	0.144		ND	0.0619		ND	0.136		ND	0.0132		ND	0.254		ND	0.0138		
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	ND	0.258		ND	0.436		0.222	0.0431	J	ND	0.0186		ND	0.0408		ND	0.00397		ND	0.0762		ND	0.00415		
PCB-1260 (Arochlor 1260)																													







Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-074 05-MET-074A 08/22/05 6.75-7.25 10			05-MET-075 05-MET-075 08/22/05 3.75-4.25 2000			05-MET-075 05-MET-075V 08/22/05 12.5-13 1			05-MET-076 05-MET-076 08/17/05 4.5-5 20			05-MET-076 05-MET-076A 08/17/05 4.5-5 20			05-MET-079 05-MET-079S 08/17/05 1.5-2 1000			05-MET-079 05-MET-079 08/17/05 2-2.5 100			05-MET-080 05-MET-080 08/17/05 8.5-9 50		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Pesticides/PCBs																												
Aldrin	309-00-2	0.044	0.044	MG/KG	NA			ND	0.496		ND	0.000206		ND	0.0129		ND	0.0151		ND	0.239		ND	0.024		ND	0.0108	
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	NA			ND	21.6		ND	0.00898		ND	0.561		ND	0.658		ND	10.4		ND	1.04		ND	0.47	
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	NA			ND	9.62		ND	0.004		ND	0.25		ND	0.293		ND	4.63		ND	0.465		ND	0.21	
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	NA			ND	14		ND	0.00583		ND	0.364		ND	0.427		ND	6.74		ND	0.677		ND	0.305	
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	NA			ND	8.75		ND	0.00364		ND	0.228		ND	0.267		ND	4.21		ND	0.423		ND	0.191	
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	NA			744	32.1		ND	0.0133		3.63	0.834		3.32	0.978		ND	15.4		ND	1.55		ND	0.699	
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	NA			ND	9.62	0.00681	0.004	J	5.24	0.25		4.13	0.293		28.7	4.63		4.25	0.465		ND	0.21		
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	NA			ND	32.1		ND	0.0133		4.95	0.834		2.77	0.978	J	84.5	15.4		7.08	1.55		ND	0.699	
Alpha BHC	319-84-6	0.041	0.041	MG/KG	NA			ND	0.496		ND	0.000206		ND	0.0129		ND	0.0151		ND	0.239		ND	0.024		ND	0.0108	
Beta BHC	319-85-7	0.14	0.14	MG/KG	NA			ND	0.496		ND	0.000206		ND	0.0129		ND	0.0151		ND	0.239		ND	0.024		ND	0.0108	
Delta BHC	319-86-8	6.1	6.1	MG/KG	NA			ND	0.612		ND	0.000255		ND	0.0159		ND	0.0187		ND	0.295		ND	0.0296		ND	0.0133	
Gamma BHC - Lindane	58-89-9	0.02	0.02	MG/KG	NA			ND	0.496		ND	0.000206		ND	0.0129		ND	0.0151		ND	0.239		ND	0.024		ND	0.0108	
Chlordane	57-74-9	4.9	4.9	MG/KG	NA			ND	11.7		ND	0.00485		ND	0.303		ND	0.356		ND	5.62		ND	0.564		ND	0.254	
p,p-DDD	72-54-8	3	3	MG/KG	NA			ND	0.962		ND	0.0004		ND	0.518		ND	0.428		ND	0.463		ND	0.626		ND	0.021	
p,p-DDE	72-55-9	17	17	MG/KG	NA			ND	0.962		ND	0.0004		ND	0.167		ND	0.896		ND	0.896		ND	0.209		ND	0.021	
p,p-DDT	50-29-3	33	33	MG/KG	NA			ND	0.962		ND	0.0004		ND	0.025		ND	0.0293		ND	0.463		ND	0.0465	0.0307	0.021	J	
Dieldrin	60-57-1	0.044	0.044	MG/KG	NA			ND	0.962		ND	0.0004		ND	0.24		ND	0.121		ND	1.41		ND	0.155		ND	0.021	
Endosulfan I	959-98-8	50	50	MG/KG	NA			ND	0.496		ND	0.000206		ND	0.0129		ND	0.0151		ND	0.239		ND	0.024		ND	0.0108	
Endosulfan II	33213-65-9	45	45	MG/KG	NA			ND	0.962		ND	0.0004		ND	0.025		ND	0.0293		ND	0.463		ND	0.0465		ND	0.021	
Endosulfan Sulfate	1031-07-8	12	12	MG/KG	NA			ND	0.962		ND	0.0004		ND	0.025		ND	0.0293		ND	0.463		ND	0.0465		ND	0.021	
Endrin	72-20-8	0.55	0.55	MG/KG	NA			ND	0.962		ND	0.0004		ND	0.025		ND	0.0293		ND	1.1		ND	0.0465		ND	0.021	
Endrin Aldehyde	7421-93-4	NS	NS	MG/KG	NA			ND	0.962		ND	0.0004		ND	0.025		ND	0.0293		ND	1.42		ND	0.111		ND	0.021	
Heptachlor	76-44-8	0.068	0.068	MG/KG	NA			ND	0.496		ND	0.000206		ND	0.0129		ND	0.0151		ND	0.239		ND	0.024		ND	0.0108	
Heptachlor Epoxide	1024-57-3	0.11	0.11	MG/KG	NA			ND	0.496		ND	0.000206		ND	0.0129		ND	0.0151		ND	0.239		ND	0.024		ND	0.0108	
Methoxychlor	72-43-5	63	63	MG/KG	NA			ND	4.96		ND	0.00206		ND	0.129		ND	0.151		ND	2.39		ND	0.24		ND	0.108	
Toxaphene	8001-35-2	0.3	0.3	MG/KG	NA			ND	32.1		ND	0.0133		ND	0.834		ND	0.978		ND	15.4		ND	1.55		ND	0.699	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	NS	MG/KG	1.40E-05	6.80E-06	J	NA			NA			NA			NA			NA			NA			NA		

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-081 05-MET-081 08/12/05 2.5-3 50			05-MET-082 05-MET-082 08/12/05 2.25-2.75 1, 250			05-MET-083 05-MET-083 08/12/05 2.5-3 250			05-MET-084 05-MET-084 08/12/05 7-7.5 20			05-MET-085 05-MET-085 08/12/05 7.5-8 1			05-MET-086 05-MET-086 08/12/05 2.5-3 1, 250			05-MET-087 05-MET-087 08/11/05 4-4.5 20			05-MET-088 05-MET-088 08/11/05 3-3.5 20		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Pesticides/PCBs																												
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.0101		ND	0.0472		ND	0.311		ND	0.00411		ND	0.00021		ND	0.0496		ND	0.00462		ND	0.00449	
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.439		ND	2.06		ND	13.5		ND	0.179		ND	0.00912		ND	2.16		ND	0.201		ND	0.195	
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.196		ND	0.917		ND	6.04		ND	0.0797		ND	0.00407		ND	0.964		ND	0.0897		ND	0.0871	
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.285		ND	1.33		ND	8.78		ND	0.116		ND	0.00592		ND	1.4		ND	0.13		ND	0.127	
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.178		ND	0.833		ND	5.49		ND	0.0725		ND	0.0037		ND	0.876		ND	0.0815		ND	0.0792	
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	3.69	0.653		9.63	3.06		67.7	20.1		ND	0.266		ND	0.0136		11.2	3.21		ND	0.299		1.26	0.29	
PCB-1254 (Arochlor 1254)	11097-																											



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-089 05-MET-089 08/12/05 5-5.5 20			05-MET-090 05-MET-090 08/12/05 3-3.5 1, 20			05-MET-090 05-MET-090A 08/12/05 3-3.5 1, 20			05-MET-091 05-MET-091 08/12/05 10.5-11 10			05-MET-092 05-MET-092 08/09/05 7.5-8 200			05-MET-093 05-MET-093 08/11/05 6.5-7 1, 10			05-MET-094 05-MET-094 08/11/05 5.5-6 10			05-MET-095 05-MET-095 08/10/05 12.5-13 1, 200			
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	
Pesticides/PCBs																													
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.00475		ND	0.00489		ND	0.00412		ND	0.00209		ND	0.312		ND	0.0119		ND	0.0097		ND	0.047		
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.207		ND	0.213		ND	0.179		ND	0.0908		ND	13.6		ND	0.519		ND	0.422		ND	2.05		
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.0922		ND	0.095		ND	0.08		ND	0.0405		ND	6.06		ND	0.231		ND	0.188		ND	0.913		
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.134		ND	0.138		ND	0.116		ND	0.0589		ND	8.81		ND	0.336		ND	0.274		ND	1.33		
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.0838		ND	0.0863		ND	0.0727		ND	0.0368		ND	5.5		ND	0.21		ND	0.171		ND	0.83		
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	0.307		ND	0.317		ND	0.267		ND	0.135		ND	20.2		2.80	0.771		ND	0.627		ND	3.04		
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	ND	0.0922		0.399	0.095	J	1.35	0.08		ND	0.0405		ND	6.06		1.39	0.231		ND	0.188		ND	0.913		
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	ND	0.307		0.556	0.317	J	2.29	0.267		ND	0.135		ND	20.2		ND	0.771		ND	0.627		ND	3.04		
Alpha BHC	319-84-6	0.041	0.041	MG/KG	ND	0.00475		ND	0.00489		ND	0.00412		ND	0.00209		ND	0.312		ND	0.0119		ND	0.0097		ND	0.047		
Beta BHC	319-85-7	0.14	0.14	MG/KG	ND	0.00475		ND	0.00489		0.00675	0.00412	J	ND	0.00209		ND	0.312		ND	0.0119		ND	0.0097		ND	0.047		
Delta BHC	319-86-8	6.1	6.1	MG/KG	ND	0.00587		ND	0.00604		0.0196	0.00509	J	ND	0.00258		ND	0.385		ND	0.0147		ND	0.012		ND	0.0581		
Gamma BHC - Lindane	58-89-9	0.02	0.02	MG/KG	ND	0.00475		ND	0.00489		ND	0.00412		ND	0.00209		ND	0.312		ND	0.0119		ND	0.0097		ND	0.047		
Chlordane	57-74-9	4.9	4.9	MG/KG	ND	0.112		ND	0.115		ND	0.101		ND	0.0491		15.2	7.34	J	ND	0.28		ND	0.228		ND	1.11		
p,p-DDD	72-54-8	3	3	MG/KG	ND	0.00922		ND	0.0095		ND	0.008		ND	0.00405		ND	0.606		ND	0.0701		0.191	0.0188		ND	0.0913		
p,p-DDE	72-55-9	17	17	MG/KG	ND	0.00922		0.0211	0.0095	J	ND	0.0606		ND	0.00405		1.07	0.606	J	ND	0.0231		ND	0.0188		ND	0.0913		
p,p-DDT	50-29-3	33	33	MG/KG	0.0123	0.00922	J	ND	0.0095		ND	0.008		ND	0.00405		ND	0.606		ND	0.0231		0.0262	0.0188	J	ND	0.0913		
Dieldrin	60-57-1	0.044	0.044	MG/KG	ND	0.00922		ND	0.0095		ND	0.0101		ND	0.00405		ND	0.606		ND	0.0231		ND	0.0188		ND	0.0913		
Endosulfan I	959-98-8	50	50	MG/KG	ND	0.00475		ND	0.00489		ND	0.00412		ND	0.00209		ND	0.312		ND	0.0119		ND	0.0097		ND	0.047		
Endosulfan II	33213-65-9	45	45	MG/KG	ND	0.00922		ND	0.0095		ND	0.008		ND	0.00405		ND	0.606		ND	0.0231		0.0325	0.0188	J	ND	0.0913		
Endosulfan Sulfate	1031-07-8	12	12	MG/KG	ND	0.00922		ND	0.0095		ND	0.0133		ND	0.00405		ND	0.606		ND	0.0231		ND	0.0188		ND	0.0913		
Endrin	72-20-8	0.55	0.55	MG/KG	ND	0.00922		ND	0.0095		ND	0.008		ND	0.00405		ND	0.606		ND	0.0231		0.0219	0.0188	J	ND	0.0913		
Endrin Aldehyde	7421-93-4	NS	NS	MG/KG	ND	0.00922		ND	0.023		ND	0.0994		ND	0.00405		ND	0.606		ND	0.0231		0.0320	0.0188	J	ND	0.0913		
Heptachlor	76-44-8	0.068	0.068	MG/KG	ND	0.00475		ND	0.00489		ND	0.00412		ND	0.00209		ND	0.312		ND	0.0119		ND	0.0097		ND	0.047		
Heptachlor Epoxide	1024-57-3	0.11	0.11	MG/KG	ND	0.00475		ND	0.00489		ND	0.00412		ND	0.00209		ND	0.312		ND	0.0119		ND	0.0097		ND	0.047		
Methoxychlor	72-43-5	63	63	MG/KG	ND	0.0475		ND	0.0489		ND	0.0412		ND	0.0209		ND	3.12		ND	0.119		ND	0.097		ND	0.47		
Toxaphene	8001-35-2	0.3	0.3	MG/KG	ND	0.307		ND	0.317		ND	0.267		ND	0.135		ND	20.2		ND	0.771		ND	0.627		ND	3.04		
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	NS	MG/KG	NA			5.30E-06	6.10E-07		2.10E-06	5.90E-07		NA			NA			3.00E-07	1.30E-07		NA			ND	6.70E-07		
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-096 05-MET-096 08/10/05 8.75-9.25 200			05-MET-096 05-MET-096A 08/10/05 8.75-9.25 1000			05-MET-096 05-MET-096V 08/10/05 18.5-19 1			05-MET-097 05-MET-097 08/09/05 9-9.5 10			05-MET-098 05-MET-098S 08/12/05 1.5-2 20			05-MET-098 05-MET-098 08/12/05 10.5-11 5			05-MET-098 05-MET-098V 08/12/05 17-17.5 10			05-MET-099 05-MET-099 08/09/05 8-8.5 1, 500			
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	
Pesticides/PCBs																													
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.0457		ND	0.238		ND	0.000214		ND	0.00209		ND	0.00475		ND	0.00104		ND	0.00217		ND	0.158		
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	1.99		ND	10.4		ND	0.00932		ND	0.0908		ND	0.207		ND	0.0454		ND	0.0946		ND	6.86		
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.887		ND	4.62		ND	0.00416		ND	0.0405		ND	0.0922		ND	0.0202		ND	0.0422		ND	3.06		
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	1.29		ND	6.72		ND	0.00605		ND	0.0589		ND	0.134		ND	0.0294		ND	0.0614		ND	4.45		
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.806		ND	4.2		ND	0.00378		ND	0.0368		ND	0.0838		ND	0.0184		ND	0.0384		ND	2.78		
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	2.96		ND	15.4		ND	0.0139		ND	0.135		ND	0.307		ND	0.0675		ND	0.141		ND	10.2		
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	ND	0.887		ND	4.62		ND	0.00416		ND	0.0405		5.15	0.0922		ND	0.0202		0.923	0.0422		ND	3.06		
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	ND	2.96		ND	15.4		ND	0.0139		ND	0.135		5.06	0.307		0.248	0.0675		2.51	0.					



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-100 05-MET-100 08/09/05 17.5-18 10			05-MET-101 05-MET-101 08/10/05 12-12.5 400			05-MET-102 05-MET-102 08/09/05 9.5-10 10			05-MET-103 05-MET-103 08/11/05 9.5-10 10			05-MET-103 05-MET-103V 08/11/05 18.5-19 1			05-MET-104 05-MET-104S 08/11/05 1.5-2 250			05-MET-104 05-MET-104 08/11/05 10-10.5 1, 20			05-MET-105 05-MET-105 08/09/05 11.75-12.25 10		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Pesticides/PCBs																												
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.0118		ND	0.102		ND	0.00211		ND	0.0021		ND	0.000226		ND	0.0485		ND	0.00435		ND	0.0072	
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.512		ND	4.43		ND	0.092		ND	0.0912		ND	0.00984		ND	2.11		ND	0.189		ND	0.314	
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.228		ND	1.98		ND	0.041		ND	0.0407		ND	0.00439		ND	0.941		ND	0.0844		ND	0.14	
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.332		ND	2.87		ND	0.0597		ND	0.0592		ND	0.00638		ND	1.37		ND	0.123		ND	0.203	
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.207		ND	1.8		ND	0.0373		ND	0.037		ND	0.00399		ND	0.855		ND	0.0767		ND	0.127	
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	0.76		ND	6.59		ND	0.137		ND	0.136		ND	0.0146		17.2	3.14		ND	0.281		ND	0.466	
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	ND	0.228		ND	1.98		ND	0.041		ND	0.0407		0.0148	0.00439	J	22.8	0.941		ND	0.0844		ND	0.14	
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	ND	0.76		ND	6.59		ND	0.137		ND	0.136		ND	0.0146		18.9	3.14		ND	0.281		ND	0.466	
Alpha BHC	319-84-6	0.041	0.041	MG/KG	ND	0.0118		ND	0.102		ND	0.00211		ND	0.0021		ND	0.000226		ND	0.0485		ND	0.00435		ND	0.0072	
Beta BHC	319-85-7	0.14	0.14	MG/KG	ND	0.0118		ND	0.102		ND	0.00211		ND	0.0021		ND	0.000226		ND	0.0485		ND	0.00435		ND	0.0072	
Delta BHC	319-86-8	6.1	6.1	MG/KG	ND	0.0145		ND	0.126		ND	0.00261		ND	0.00259		ND	0.000279		ND	0.0599		ND	0.00537		ND	0.0089	
Gamma BHC - Lindane	58-89-9	0.02	0.02	MG/KG	ND	0.0118		ND	0.102		ND	0.00211		ND	0.0021		ND	0.000226		ND	0.0485		ND	0.00435		ND	0.0072	
Chlordane	57-74-9	4.9	4.9	MG/KG	ND	0.276		ND	2.4		ND	0.0498		ND	0.0493		ND	0.00532		ND	1.14		ND	0.102		ND	0.169	
p,p-DDD	72-54-8	3	3	MG/KG	0.0341	0.0228	J	ND	0.198		ND	0.0041		ND	0.00407		ND	0.00137		ND	1.25		ND	0.00844		ND	0.014	
p,p-DDE	72-55-9	17	17	MG/KG	ND	0.0228		ND	0.198		0.00484	0.0041	J	ND	0.00407		ND	0.00104		ND	1.75		ND	0.00844		ND	0.014	
p,p-DDT	50-29-3	33	33	MG/KG	ND	0.0228		ND	0.198		ND	0.0041		ND	0.00407		ND	0.000439		ND	0.0941		ND	0.00844		ND	0.014	
Dieldrin	60-57-1	0.044	0.044	MG/KG	ND	0.0228		ND	0.198		ND	0.0041		ND	0.00407		ND	0.000439		ND	0.482		ND	0.00844		ND	0.014	
Endosulfan I	959-98-8	50	50	MG/KG	ND	0.0118		ND	0.102		ND	0.00211		ND	0.0021		ND	0.000226		ND	0.0485		ND	0.00435		ND	0.0072	
Endosulfan II	33213-65-9	45	45	MG/KG	0.0313	0.0228	J	ND	0.198		ND	0.0041		ND	0.00407		ND	0.000439		ND	0.0941		ND	0.00844		ND	0.014	
Endosulfan Sulfate	1031-07-8	12	12	MG/KG	ND	0.0228		ND	0.198		ND	0.0041		ND	0.00407		ND	0.000439		ND	0.0941		ND	0.00844		ND	0.014	
Endrin	72-20-8	0.55	0.55	MG/KG	ND	0.0228		ND	0.198		ND	0.0041		ND	0.00407		ND	0.000439		ND	0.0941		ND	0.00844		ND	0.014	
Endrin Aldehyde	7421-93-4	NS	NS	MG/KG	ND	0.0228		ND	0.198		ND	0.0041		ND	0.00407		ND	0.000439		ND	0.528		ND	0.00844		ND	0.014	
Heptachlor	76-44-8	0.068	0.068	MG/KG	ND	0.0118		ND	0.102		ND	0.00211		ND	0.0021		ND	0.000226		ND	0.0485		ND	0.00435		0.0120	0.0072	J
Heptachlor Epoxide	1024-57-3	0.11	0.11	MG/KG	ND	0.0118		ND	0.102		ND	0.00211		ND	0.0021		ND	0.000226		ND	0.0485		ND	0.00435		ND	0.0072	
Methoxychlor	72-43-5	63	63	MG/KG	ND	0.118		ND	1.02		ND	0.0211		ND	0.021		ND	0.00226		ND	0.485		ND	0.0435		ND	0.072	
Toxaphene	8001-35-2	0.3	0.3	MG/KG	ND	0.76		ND	6.59		ND	0.137		ND	0.136		ND	0.0146		ND	3.14		ND	0.281		ND	0.466	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	NS	MG/KG	NA			NA			NA			NA			NA			NA			ND	6.10E-07		NA		

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-106 05-MET-106 08/09/05 6.5-7 1000			05-MET-107 05-MET-107 08/10/05 7.5-8 5000			05-MET-108 05-MET-108 08/17/05 8.5-9 20			05-MET-109 05-MET-109S 08/19/05 1.5-2 1000			05-MET-109 05-MET-109 08/19/05 5.75-6.25 1000			05-MET-110 05-MET-110 08/09/05 12-12.5 1, 1000			05-MET-111 05-MET-111 08/09/05 12.75-13.25 1000			05-MET-112 05-MET-112 08/09/05 9-9.5 1, 200		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Pesticides/PCBs																												
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.884		ND	2.66		ND	0.0137		ND	0.228		ND	0.229		ND	0.761		ND	0.24		ND	0.185	
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	38.5		ND	116		ND	0.594		ND	9.95		ND	9.96		ND	33.1		ND	10.5		ND	8.04	
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	17.2		ND	51.7		ND	0.265		ND	4.44		ND	4.44		ND	14.8		ND	4.67		ND	3.59	
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	25		ND	75.2		ND	0.386		ND	6.45		ND	6.46		ND	21.5		ND	6.79		ND	5.22	
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	15.6		ND	47		ND	0.241		ND	4.03		ND	4.04		ND	13.4		ND	4.24		ND	3.26	
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	296	57.2		ND	172		ND	0.884		94.6	14.8		ND	14.8		ND	49.3		ND	15.6		ND	12	
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	156	17.2		ND	51.7		0.496	0.265	J	53.6	4.44		21.9	4.44	J	ND	14.8		ND	4.67		ND	3.59	
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	72.1	57.2	J	ND	172		ND	0.884		29.3	14.8	J	29.7	14.8	J	ND	49.3		ND	15.6		ND	12	
Alpha BHC	319-84-6	0.041	0.041	MG/KG	ND	0.884		ND	2.66		ND	0.0137		ND	0.228		ND	0.229		ND	0.761							



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-112 05-MET-112V 08/09/05 17.5-18 1			05-MET-113 05-MET-113 08/09/05 10.5-11 2000			05-MET-114 05-MET-114 08/08/05 16.25-16.75 50			05-MET-114 05-MET-114V 08/08/05 21.75-22.25 5			05-MET-115 05-MET-115 08/08/05 13-13.5 1000			05-MET-116 05-MET-116 08/10/05 12.5-13 1, 50			05-MET-117 05-MET-117 08/08/05 6.5-7 1000			05-MET-118 05-MET-118 08/09/05 8.75-9.25 100		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Pesticides/PCBs																												
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.000243		ND	0.457		ND	0.0134		ND	0.00111		ND	0.792		ND	0.0155		ND	0.347		ND	0.0796	
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.0106		ND	19.9		ND	0.583		ND	0.0484		ND	34.5		ND	0.676		ND	15.1		ND	3.46	
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.00472		ND	8.87		ND	0.26		ND	0.0216		ND	15.4		ND	0.302		ND	6.73		ND	1.54	
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.00687		ND	12.9		ND	0.378		ND	0.0314		ND	22.4		ND	0.439		ND	9.8		ND	2.25	
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.00429		ND	8.06		ND	0.236		ND	0.0196		ND	14		ND	0.274		ND	6.12		ND	1.4	
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	0.114	0.0157		ND	29.6		ND	0.866		0.105	0.072	J	354	51.2		ND	1.01		ND	22.4		ND	5.15	
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	0.0730	0.00472		ND	8.87		0.372	0.26	J	0.171	0.0216		236	15.4		2.72	0.302		ND	6.73		ND	1.54	
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	0.0339	0.0157	J	ND	29.6		ND	0.866		0.728	0.072		206	51.2		ND	1.01		ND	22.4		ND	5.15	
Alpha BHC	319-84-6	0.041	0.041	MG/KG	ND	0.000243		ND	0.457		ND	0.0134		ND	0.00111		ND	0.792		ND	0.0155		ND	0.347		ND	0.0796	
Beta BHC	319-85-7	0.14	0.14	MG/KG	ND	0.000243		ND	0.457		ND	0.0134		ND	0.00111		ND	0.792		ND	0.0155		ND	0.347		ND	0.0796	
Delta BHC	319-86-8	6.1	6.1	MG/KG	ND	0.0003		ND	0.565		ND	0.0165		ND	0.00137		ND	0.978		ND	0.0192		ND	0.429		ND	0.0983	
Gamma BHC - Lindane	58-89-9	0.02	0.02	MG/KG	ND	0.000243		ND	0.457		ND	0.0134		ND	0.00111		ND	0.792		ND	0.0155		ND	0.347		ND	0.0796	
Chlordane	57-74-9	4.9	4.9	MG/KG	ND	0.00572		ND	10.8		ND	0.315		ND	0.0262		ND	18.6		ND	0.366		ND	8.16		ND	1.87	
p,p-DDD	72-54-8	3	3	MG/KG	ND	0.000472		ND	0.887		ND	0.026		ND	0.00216		ND	1.54		ND	0.0302		ND	0.673		ND	0.154	
p,p-DDE	72-55-9	17	17	MG/KG	ND	0.00558		ND	0.887		ND	0.026		0.00759	0.00216	J	ND	46.3		ND	0.0938		ND	0.673		ND	0.154	
p,p-DDT	50-29-3	33	33	MG/KG	ND	0.000472		ND	0.887		ND	0.026		ND	0.00216		ND	1.54		ND	0.0302		ND	0.673		ND	0.154	
Dieldrin	60-57-1	0.044	0.044	MG/KG	ND	0.000472		ND	0.887		ND	0.026		0.00699	0.00216	J	ND	1.54		ND	0.0302		ND	0.673		ND	0.154	
Endosulfan I	959-98-8	50	50	MG/KG	ND	0.000243		ND	0.457		ND	0.0134		ND	0.00111		ND	0.792		ND	0.0155		ND	0.347		ND	0.0796	
Endosulfan II	33213-65-9	45	45	MG/KG	ND	0.000472		ND	0.887		ND	0.026		ND	0.00216		ND	1.54		ND	0.0302		ND	0.673		ND	0.154	
Endosulfan Sulfate	1031-07-8	12	12	MG/KG	ND	0.000472		ND	0.887		ND	0.026		ND	0.00216		ND	1.54		ND	0.0302		ND	0.673		ND	0.154	
Endrin	72-20-8	0.55	0.55	MG/KG	ND	0.000472		ND	0.887		ND	0.026		ND	0.00216		ND	1.93		ND	0.0302		ND	0.673		ND	0.154	
Endrin Aldehyde	7421-93-4	NS	NS	MG/KG	ND	0.001		ND	0.887		ND	0.026		ND	0.011		ND	3.04		ND	0.0302		ND	0.673		ND	0.154	
Heptachlor	76-44-8	0.068	0.068	MG/KG	ND	0.000243		ND	0.457		ND	0.0134		ND	0.00111		ND	2.1		ND	0.0155		ND	0.347		ND	0.0796	
Heptachlor Epoxide	1024-57-3	0.11	0.11	MG/KG	ND	0.000243		ND	0.457		ND	0.0134		ND	0.00111		ND	1.6		ND	0.0155		ND	0.347		ND	0.0796	
Methoxychlor	72-43-5	63	63	MG/KG	ND	0.00243		ND	4.57		ND	0.134		ND	0.0111		ND	7.92		ND	0.155		ND	3.47		ND	0.796	
Toxaphene	8001-35-2	0.3	0.3	MG/KG	ND	0.0157		ND	29.6		ND	0.866		ND	0.072		ND	51.2		ND	1.01		ND	22.4		ND	5.15	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	NS	PG/G	NA			NA			NA			NA			NA			64	0.92		NA			NA		

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-119 05-MET-119 08/11/05 5-5.5 1000			05-MET-120 05-MET-120 08/10/05 8.5-9 400			05-MET-121 05-MET-121 08/10/05 8.5-9 1000			05-MET-122 05-MET-122 08/08/05 6.25-6.75 1000			05-MET-123 05-MET-123 08/09/05 12-12.5 20			05-MET-124 05-MET-124 08/11/05 10.75-11.25 50			05-MET-125 05-MET-125 08/10/05 8.5-9 20			05-MET-126 05-MET-126 08/10/05 8.5-9 1, 400		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Pesticides/PCBs																												
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.288		ND	0.089		ND	0.234		ND	0.25		ND	0.0155		ND	0.0121		ND	0.00439		ND	0.0937	
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	12.5		ND	3.87		ND	10.2		ND	10.9		ND	0.676		ND	0.526		ND	0.191		ND	4.08	
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	5.58		ND	1.73		ND	4.53		ND	4.86		ND	0.301		ND	0.234		ND	0.0852		ND	1.82	
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	8.12		ND	2.51		ND	6.59		ND	7.07		ND	0.438		ND	0.341		ND	0.124		ND	2.64	
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	5.08		ND	1.57		ND	4.12		ND	4.42		ND	0.274		ND	0.213		ND	0.0774		ND	1.65	
PCB-1248 (Arochlor 1248)	12672-29-6	6.7.																										



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-127 05-MET-127 08/11/05 6.5-7 20			05-MET-128 05-MET-128 08/22/05 6.75-7.25 5			05-MET-129 05-MET-129 08/22/05 5-5.5 10000, 2			05-MET-130 05-MET-130 08/17/05 8.5-9 10			05-MET-131 05-MET-131 08/18/05 2-2.5 1, 100			05-MET-132 05-MET-132 08/16/05 11-11.5 1			05-MET-133 05-MET-133 08/23/05 8-8.5 100, 5000			05-MET-134 05-MET-134 08/23/05 7-7.5 20		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Pesticides/PCBs																												
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.00459		ND	0.00116		ND	2.56		ND	0.00218		ND	0.0187		ND	0.0002		ND	0.0266		ND	0.00406	
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.2		ND	0.0505		ND	111		ND	0.095		ND	0.813		ND	0.00873		ND	1.16		ND	0.177	
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.0891		ND	0.0225		ND	49.7		ND	0.0424		ND	0.363		ND	0.00389		ND	0.517		ND	0.0788	
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.13		ND	0.0328		ND	72.3		ND	0.0616		ND	0.527		ND	0.00566		ND	0.752		ND	0.115	
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.081		ND	0.0205		ND	45.2		ND	0.0385		ND	0.33		ND	0.00354		ND	0.47		ND	0.0716	
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	0.297		ND	0.0751		ND	166		0.222	0.141	J	ND	1.21		ND	0.013		ND	1.72		ND	0.263	
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	ND	0.0891		ND	0.0225		ND	49.7		0.331	0.0424		0.576	0.363	J	ND	0.00389		ND	0.517		ND	0.406	
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	ND	0.297		ND	0.0751		1300	166		0.493	0.141		ND	1.21		ND	0.013		ND	1.72		ND	0.788	
Alpha BHC	319-84-6	0.041	0.041	MG/KG	ND	0.00459		ND	0.00116		ND	2.56		ND	0.00218		ND	0.0187		ND	0.0002		ND	0.0266		ND	0.00406	
Beta BHC	319-85-7	0.14	0.14	MG/KG	ND	0.00459		ND	0.00116		ND	2.56		ND	0.00218		ND	0.0187		ND	0.0002		ND	0.0266		ND	0.00406	
Delta BHC	319-86-8	6.1	6.1	MG/KG	ND	0.00567		ND	0.00143		ND	3.16		ND	0.00449		ND	0.0231		ND	0.000248		ND	0.0329		ND	0.00501	
Gamma BHC - Lindane	58-89-9	0.02	0.02	MG/KG	ND	0.00459		ND	0.00116		ND	2.56		ND	0.00218		ND	0.0187		ND	0.0002		ND	0.0266		ND	0.00406	
Chlordane	57-74-9	4.9	4.9	MG/KG	ND	0.108		ND	0.0273		ND	60.2		0.112	0.0513	J	ND	0.44		ND	0.00472		ND	0.627		ND	0.0955	
p,p-DDD	72-54-8	3	3	MG/KG	0.0165	0.00891	J	0.0133	0.00225		ND	4.97		ND	0.0411		ND	0.355		ND	0.000389		52.2	2.59		0.0829	0.00788	
p,p-DDE	72-55-9	17	17	MG/KG	ND	0.00891		0.00644	0.00225	J	ND	4.97		ND	0.0154		ND	0.067		ND	0.000389		0.830	0.0517		0.190	0.00788	
p,p-DDT	50-29-3	33	33	MG/KG	ND	0.00891		0.00365	0.00225	J	ND	25.6		ND	0.00424		ND	0.078		0.00189	0.000389	J	32.5	2.59		0.118	0.00788	
Dieldrin	60-57-1	0.044	0.044	MG/KG	ND	0.00891		ND	0.00225		ND	4.97		ND	0.0154		ND	0.116		ND	0.000389		0.0549	0.0517	J	ND	0.00788	
Endosulfan I	959-98-8	50	50	MG/KG	ND	0.00459		ND	0.00116		ND	2.56		ND	0.00218		ND	0.0187		ND	0.0002		ND	0.0266		ND	0.00406	
Endosulfan II	33213-65-9	45	45	MG/KG	ND	0.00891		ND	0.00225		ND	4.97		ND	0.00424		ND	0.0363		ND	0.000389		ND	0.0517		ND	0.00788	
Endosulfan Sulfate	1031-07-8	12	12	MG/KG	ND	0.00891		ND	0.00225		ND	4.97		ND	0.00424		ND	0.0363		ND	0.000389		ND	0.0517		ND	0.00788	
Endrin	72-20-8	0.55	0.55	MG/KG	ND	0.00891		ND	0.00225		ND	4.97		ND	0.00424		ND	0.0363		ND	0.000389		ND	0.0517		ND	0.00788	
Endrin Aldehyde	7421-93-4	NS	NS	MG/KG	ND	0.00891		0.00435	0.00225	J	ND	4.97		ND	0.00424		ND	0.0363		ND	0.000389		ND	0.0517		ND	0.00788	
Heptachlor	76-44-8	0.068	0.068	MG/KG	ND	0.00459		ND	0.00116		ND	2.56		ND	0.00218		ND	0.0187		ND	0.0002		ND	0.0266		ND	0.00406	
Heptachlor Epoxide	1024-57-3	0.11	0.11	MG/KG	ND	0.00459		ND	0.00116		ND	2.56		ND	0.00218		ND	0.0187		ND	0.0002		ND	0.0266		0.00943	0.00406	J
Methoxychlor	72-43-5	63	63	MG/KG	ND	0.0459		ND	0.0116		ND	25.6		ND	0.0218		ND	0.187		ND	0.002		ND	0.266		ND	0.0406	
Toxaphene	8001-35-2	0.3	0.3	MG/KG	ND	0.297		ND	0.0751		ND	166		ND	0.141		ND	1.21		ND	0.013		ND	1.72		ND	0.263	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	NS	PG/G	NA			NA			5.7	1.4	J	NA			2.3	0.55		NA			NA			NA		

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-135 05-MET-135 08/23/05 8.5-9 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier
Pesticides/PCBs							
Aldrin	309-00-2	0.044	0.044	MG/KG	ND	0.000208	
PCB-1016 (Arochlor 1016)	12674-11-2	20	20	MG/KG	ND	0.00905	
PCB-1221 (Arochlor 1221)	11104-28-2	0.52	0.52	MG/KG	ND	0.00403	
PCB-1232 (Arochlor 1232)	11141-16-5	0.52	0.52	MG/KG	ND	0.00587	
PCB-1242 (Arochlor 1242)	53469-21-9	6.2	6.2	MG/KG	ND	0.00367	
PCB-1248 (Arochlor 1248)	12672-29-6	6.7	6.7	MG/KG	ND	0.0134	
PCB-1254 (Arochlor 1254)	11097-69-1	28	28	MG/KG	ND	0.00403	
PCB-1260 (Arochlor 1260)	11096-82-5	130	190	MG/KG	ND	0.0134	
Alpha BHC	319-84-6	0.041	0.041	MG/KG	ND	0.000208	
Beta BHC	319-85-7	0.14	0.14	MG/KG	ND	0.000208	
Delta BHC	319-86-8	6.1	6.1	MG/KG	ND	0.000257	
Gamma BHC - Lindane	58-89-9	0.02	0.02	MG/KG	ND	0.000208	
Chlordane	57-74-9	4.9	4.9	MG/KG	ND	0.00489	
p,p-DDD	72-54-8	3	3	MG/KG	ND	0.000403	
p,p-DDE	72-55-9	17	17	MG/KG	ND	0.000403	
p,p-DDT	50-29-3	33	33	MG/KG	ND	0.000403	
Dieldrin	60-57-1	0.044	0.044	MG/KG	ND	0.000403	
Endosulfan I	959-98-8	50	50	MG/KG	ND	0.000208	
Endosulfan II	33213-65-9	45	45	MG/KG	ND	0.000403	
Endosulfan Sulfate	1031-07-8	12	12	MG/KG	ND	0.000403	
Endrin	72-20-8	0.55	0.55	MG/KG	ND	0.000403	
Endrin Aldehyde	7421-93-4	NS	NS	MG/KG	ND	0.000403	
Heptachlor	76-44-8	0.068	0.068	MG/KG	ND	0.000208	
Heptachlor Epoxide	1024-57-3	0.11	0.11	MG/KG	ND	0.000208	
Methoxychlor	72-43-5	63	63	MG/KG	ND	0.00208	
Toxaphene	8001-35-2	0.3	0.3	MG/KG	ND	0.0134	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	NS	PG/G	NA		



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-001 05-MET-001 08/19/05 5.5-6 1, 5			05-MET-002 05-MET-002 08/17/05 4.5-5 1, 5			05-MET-003 05-MET-003 08/18/05 5.5-6 1			05-MET-004 05-MET-004 08/16/05 2-2.5 1			05-MET-005 05-MET-005 08/18/05 4.5-5 1			05-MET-006 05-MET-006 08/16/05 2.5-3 1			05-MET-007 05-MET-007 08/15/05 5-5.5 1			05-MET-008 05-MET-008 08/19/05 11.5-12 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	4.53	1.03		ND	1.12		ND	0.995		ND	0.99		ND	0.938		ND	0.961		ND	1.07		ND	0.918	
Arsenic	7440-38-2	15	15	MG/KG	13.0	0.844		4.51	0.915		6.20	0.813		5.53	0.809		4.34	0.766		4.62	0.786		26.6	0.871		2.07	0.75	J
Beryllium	7440-41-7	32	32	MG/KG	0.339	0.0542	J	0.575	0.0587	J	0.758	0.0522		0.522	0.0519	J	0.795	0.0492		0.535	0.0504	J	0.823	0.0559		0.376	0.0481	J
Cadmium	7440-43-9	3.8	3.8	MG/KG	46.4	0.108		0.259	0.117	J	0.365	0.104	J	0.613	0.104		0.391	0.0983	J	0.618	0.101		0.351	0.112	J	ND	0.0963	
Chromium	7440-47-3	NS	NS	MG/KG	516	0.668		58.3	0.724		33.0	0.643		21.2	0.64		41.7	0.606		25.6	0.621		37.4	0.689		23.9	0.593	
Copper	7440-50-8	3600	3600	MG/KG	244	0.378		19.6	0.41		12.9	0.364		15.6	0.362		12.8	0.343		10.4	0.352		73.5	0.39		5.91	0.336	
Lead	7439-92-1	45	45	MG/KG	1350	0.983		31.0	1.07		10.5	0.947		58.6	0.942		13.3	0.892		55.5	0.915		196	1.01		5.04	0.873	
Mercury	7439-97-6	1	1	MG/KG	3.47	0.0168		1.23	0.0181		0.0077	0.0033	J	0.101	0.0032	J	0.0075	0.003	J	0.0661	0.0031	J	0.131	0.0033		ND	0.0031	
Nickel	7440-02-0	65	65	MG/KG	228	0.416		44.2	0.451		13.0	0.4		11.2	0.398		23.5	0.377		9.95	0.387		19.7	0.429		13.9	0.369	
Selenium	7782-49-2	5	5	MG/KG	2.95	1.21		ND	1.31		ND	1.17		ND	1.16		ND	1.1		ND	1.13		ND	1.25		ND	1.07	
Silver	7440-22-4	10	10	MG/KG	2.07	0.239		ND	0.259		ND	0.231		ND	0.229		ND	0.217		ND	0.223		ND	0.247		0.266	0.213	J
Thallium	7440-28-0	1.4	1.4	MG/KG	4.90	1.21		2.54	1.31	J	1.91	1.17	J	1.86	1.16	J	1.67	1.1	J	1.62	1.13	J	2.21	1.25	J	1.86	1.07	J
Zinc	7440-66-6	1200	1200	MG/KG	394	0.58		109	0.628		44.1	0.558		78.6	0.555		48.9	0.526		36.1	0.539		98.4	0.598		20.8	0.515	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-008 05-MET-008V 08/19/05 14-14.5 1			05-MET-009 05-MET-009 08/15/05 10-10.5 1			05-MET-010 05-MET-010 08/18/05 6.5-7 1			05-MET-011 05-MET-011 08/16/05 2-2.5 1			05-MET-012 05-MET-012 08/18/05 9-9.5 1			05-MET-013 05-MET-013 08/12/05 3-3.5 1, 5			05-MET-014 05-MET-014 08/15/05 5.5-6 1			05-MET-015 05-MET-015 08/15/05 10-10.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	0.953		ND	0.959		ND	0.868		ND	0.999		ND	0.963		30.2	0.989		ND	1.04		ND	0.995	
Arsenic	7440-38-2	15	15	MG/KG	4.73	0.779		1.69	0.784	J	16.8	0.709		26.3	0.816		4.14	0.787		15.9	0.808		3.37	0.851		4.91	0.813	
Beryllium	7440-41-7	32	32	MG/KG	0.749	0.05		0.642	0.0503		0.527	0.0455	J	0.743	0.0524		0.829	0.0505		0.484	0.0519	J	0.593	0.0546	J	0.769	0.0522	
Cadmium	7440-43-9	3.8	3.8	MG/KG	0.293	0.1	J	ND	0.101		0.756	0.0911		0.831	0.105		0.255	0.101	J	4.85	0.104		ND	0.109		ND	0.104	
Chromium	7440-47-3	NS	NS	MG/KG	30.2	0.616		27.2	0.62		19.6	0.561		22.8	0.646		37.1	0.622		1520	0.639		25.8	0.673		25.5	0.643	
Copper	7440-50-8	3600	3600	MG/KG	7.41	0.349		11.4	0.351		105	0.318		36.9	0.365		15.2	0.352		222	0.362		7.57	0.381		13.6	0.364	
Lead	7439-92-1	45	45	MG/KG	4.68	0.907		8.44	0.912		1200	0.826		152	0.95		26.3	0.916		4790	4.71		9.23	0.991		7.52	0.947	
Mercury	7439-97-6	1	1	MG/KG	0.0052	0.0031	J	0.0140	0.0031	J	0.504	0.0029		0.245	0.0031		0.0517	0.0031	J	0.922	0.0033		0.0039	0.0033	J	ND	0.0031	
Nickel	7440-02-0	65	65	MG/KG	12.9	0.384		16.6	0.386		17.0	0.349		17.1	0.402		22.4	0.387		151	0.398		9.55	0.419		14.9	0.4	
Selenium	7782-49-2	5	5	MG/KG	ND	1.12		ND	1.12		ND	1.02		1.36	1.17	J	ND	1.13		27.8	1.16		ND	1.22		ND	1.17	
Silver	7440-22-4	10	10	MG/KG	0.294	0.221	J	ND	0.222		ND	0.201		ND	0.231		ND	0.223		0.567	0.229	J	ND	0.241		ND	0.231	
Thallium	7440-28-0	1.4	1.4	MG/KG	1.76	1.12	J	ND	1.12		1.78	1.02	J	1.40	1.17	J	1.77	1.13	J	6.70	5.79	J	1.34	1.22	J	1.58	1.17	J
Zinc	7440-66-6	1200	1200	MG/KG	24.7	0.535		38.2	0.538		291	0.487		167	0.56		45.4	0.54		1430	0.555		27.3	0.584		41.1	0.558	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-016 05-MET-016 08/16/05 4.5-5 1			05-MET-017 05-MET-017 08/18/05 7-7.5 1			05-MET-018 05-MET-018 08/16/05 2.5-3 1			05-MET-019 05-MET-019 08/12/05 5.5-6 1			05-MET-020 05-MET-020 08/19/05 2.5-3 1			05-MET-021 05-MET-021 08/15/05 8.5-9 1			05-MET-021A 05-MET-021A 08/15/05 8.5-9 1			05-MET-022 05-MET-022 08/15/05 5-5.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	0.939		ND	0.975		ND	0.901		1.69	1.07	J	ND	1.01		ND	1.09		ND	1.07		ND	0.994	
Arsenic	7440-38-2	15	15	MG/KG	1.55	0.767	J	5.32	0.796		9.29	0.736		9.40	0.877		6.83	0.829		6.15	0.891		6.62	0.871		5.43	0.812	
Beryllium	7440-41-7	32	32	MG/KG	0.0653	0.0492	J	0.798	0.0511		1.29	0.0472		0.449	0.0563	J	0.446	0.0532	J	0.455	0.0572	J	0.585	0.0559	J	0.852	0.0521	
Cadmium	7440-43-9	3.8	3.8	MG/KG	0.590	0.0985		ND	0.102		0.905	0.0945		0.247	0.113	J	ND	0.106		0.291	0.114	J	0.218	0.112	J	0.209	0.104	J
Chromium	7440-47-3	NS	NS	MG/KG	16.7	0.607		43.4	0.63		28.7	0.582		18.1	0.693		9.31	0.656		25.6	0.705		27.6	0.689		28.5	0.643	
Copper	7440-50-8	3600	3600	MG/KG	11.0	0.343		13.3	0.357		36.5	0.329		32.5	0.392		17.8	0.371		36.0	0.399		24.9	0.39		12.3	0.364	
Lead	7439-92-1	45	45	MG/KG	5.35	0.893		7.81	0.927		68.6	0.857		166	1.02		41.9	0.965		35.1	1.04		25.3	1.01		8.13	0.946	
Mercury	7439-97-6	1	1	MG/KG	ND	0.003		ND	0.0032		0.114	0.0029		0.172	0.0034		0.0683	0.0032	J	0.0324	0.0035	J	0.0211	0.0034	J	0.0043	0.0033	J
Nickel	7440-02-0	65	65	MG/KG	3.72	0.378		15.5	0.392		13.6	0.362		18.4	0.432		17.1	0.408		16.6	0.439		15.8	0.429		13.6	0.4	
Selenium	7782-49-2	5	5	MG/KG	ND	1.1		ND	1.14		ND	1.05		ND	1.26		ND	1.19		ND	1.28		ND	1.25		ND	1.16	
Silver	7440-22-4	10	10	MG/KG	ND	0.218		ND	0.226		ND	0.209		ND	0.249		ND	0.235		ND	0.253		ND	0.247		ND	0.23	
Thallium	7440-28-0	1.4	1.4	MG/KG	1.94	1.1	J	2.42	1.14		2.02	1.05	J	2.29	1.26	J	2.07	1.19	J	ND	1.28		1.62	1.25	J	1.40	1.16	J
Zinc	7440-66-6	1200	1200	MG/KG	19.8	0.527		38.8	0.547		74.1	0.505		102	0.602		66.5	0.569		74.0	0.612		54.7	0.598		36.9	0.558	



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-023 05-MET-023 08/15/05 5.5-6 1			05-MET-024 05-MET-024 08/15/05 2-2.5 1			05-MET-025 05-MET-025 08/17/05 2.5-3 1			05-MET-026 05-MET-026S 08/17/05 1.5-2 1			05-MET-026 05-MET-026 08/17/05 3.5-4 1			05-MET-027 05-MET-027 08/18/05 19-19.5 1			05-MET-028 05-MET-028 08/19/05 8-8.5 1			05-MET-029 05-MET-029 08/18/05 2.5-3 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	0.986		ND	0.927		ND	0.976		ND	1.05		ND	1.04		ND	0.979		ND	0.942		ND	0.992	
Arsenic	7440-38-2	15	15	MG/KG	4.76	0.806		5.64	0.757		6.22	0.797		27.2	0.857		2.22	0.848	J	ND	0.8		2.87	0.77		6.70	0.811	
Beryllium	7440-41-7	32	32	MG/KG	0.837	0.0517		0.511	0.0486	J	0.418	0.0512	J	0.324	0.055	J	0.473	0.0544	J	1.82	0.0514		0.573	0.0494	J	0.622	0.052	
Cadmium	7440-43-9	3.8	3.8	MG/KG	0.242	0.103	J	0.286	0.0972	J	0.136	0.102	J	0.216	0.11	J	ND	0.109		0.523	0.103	J	ND	0.0988		0.349	0.104	J
Chromium	7440-47-3	NS	NS	MG/KG	32.8	0.638		34.7	0.599		29.8	0.631		10.2	0.678		23.0	0.671		181	0.633		25.7	0.609		42.4	0.641	
Copper	7440-50-8	3600	3600	MG/KG	13.0	0.361		43.6	0.339		27.6	0.357		53.0	0.384		5.15	0.38		41.5	0.358		9.42	0.345		16.9	0.363	
Lead	7439-92-1	45	45	MG/KG	36.0	0.938		67.9	0.882		43.3	0.928		87.1	0.998		9.16	0.987		2.48	0.932		6.73	0.896		12.2	0.944	
Mercury	7439-97-6	1	1	MG/KG	0.0470	0.0031	J	0.138	0.003		0.0771	0.0031	J	0.224	0.0033		ND	0.0032		ND	0.0032		0.0045	0.0032	J	0.0164	0.0033	J
Nickel	7440-02-0	65	65	MG/KG	15.8	0.397		15.4	0.373		17.1	0.393		11.5	0.422		8.06	0.418		61.9	0.394		18.4	0.379		16.4	0.399	
Selenium	7782-49-2	5	5	MG/KG	ND	1.15		1.26	1.09	J	ND	1.14		ND	1.23		ND	1.22		1.26	1.15	J	ND	1.1		ND	1.16	
Silver	7440-22-4	10	10	MG/KG	ND	0.229		ND	0.215		ND	0.226		ND	0.243		ND	0.241		0.419	0.227	J	0.294	0.218	J	ND	0.23	
Thallium	7440-28-0	1.4	1.4	MG/KG	1.29	1.15	J	1.51	1.09	J	2.02	1.14	J	ND	1.23		1.59	1.22	J	2.96	1.15		1.55	1.1	J	2.40	1.16	J
Zinc	7440-66-6	1200	1200	MG/KG	108	0.553		53.0	0.52		80.7	0.547		51.4	0.588		28.9	0.582		43.9	0.549		42.7	0.528		284	0.557	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-030 05-MET-030 08/18/05 6.75-7.25 1			05-MET-031 05-MET-031 08/11/05 10.5-11 1			05-MET-032 05-MET-032 08/11/05 4.5-5 1			05-MET-033 05-MET-033 08/11/05 8.5-9 1			05-MET-034 05-MET-034 08/18/05 12.75-13.25 1			05-MET-034 05-MET-034V 08/18/05 22.5-23 1			05-MET-035 05-MET-035 08/18/05 6.5-7 1			05-MET-036 05-MET-036 08/18/05 15.5-16 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	0.959		ND	1		1.94	1.04	J	ND	1.07		2.47	0.945		ND	1.04		ND	1.11		ND	0.967	
Arsenic	7440-38-2	15	15	MG/KG	2.70	0.784		2.46	0.818		2.79	0.848		16.5	0.872		2.84	0.772		ND	0.853		2.04	0.91	J	2.37	0.79	
Beryllium	7440-41-7	32	32	MG/KG	0.659	0.0503		0.448	0.0525	J	0.258	0.0544	J	0.105	0.056	J	ND	0.0495		0.154	0.0548	J	ND	0.0584		0.671	0.0507	
Cadmium	7440-43-9	3.8	3.8	MG/KG	0.179	0.101	J	ND	0.105		1.77	0.109		ND	0.112		ND	0.0991		0.458	0.11	J	ND	0.117		0.339	0.101	J
Chromium	7440-47-3	NS	NS	MG/KG	23.1	0.62		29.0	0.647		34.3	0.67		17.3	0.69		0.876	0.611	J	249	0.675		ND	0.72		29.8	0.625	
Copper	7440-50-8	3600	3600	MG/KG	9.15	0.351		10.9	0.366		36.9	0.38		11.1	0.391		ND	0.346		1.87	0.382		1.62	0.407		12.4	0.354	
Lead	7439-92-1	45	45	MG/KG	4.99	0.912		6.89	0.952		577	0.987		22.1	1.02		6.53	0.899		2.06	0.993	J	26.6	1.06		6.93	0.92	
Mercury	7439-97-6	1	1	MG/KG	ND	0.0032		0.0105	0.0032	J	0.555	0.0034		0.214	0.0034		ND	0.0031		ND	0.0033		ND	0.0037		0.0132	0.0031	J
Nickel	7440-02-0	65	65	MG/KG	18.0	0.386		11.9	0.403		5.02	0.417		4.61	0.43		ND	0.38		34.1	0.42		ND	0.448		18.8	0.389	
Selenium	7782-49-2	5	5	MG/KG	ND	1.12		ND	1.17		ND	1.21		ND	1.25		ND	1.11		ND	1.22		ND	1.3		ND	1.13	
Silver	7440-22-4	10	10	MG/KG	ND	0.222		ND	0.232		ND	0.24		ND	0.247		ND	0.219		1.83	0.242		ND	0.258		ND	0.224	
Thallium	7440-28-0	1.4	1.4	MG/KG	1.64	1.12	J	ND	1.17		ND	1.21		1.48	1.25	J	ND	1.11		9.39	1.22		ND	1.3		2.73	1.13	
Zinc	7440-66-6	1200	1200	MG/KG	72.0	0.538		30.2	0.562		109	0.582		18.5	0.599		2.73	0.53		13.2	0.586		3.37	0.625		40.1	0.543	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-037 05-MET-037 08/19/05 4-4.5 1			05-MET-038 05-MET-038 08/19/05 4.5-5 1			05-MET-039 05-MET-039 08/19/05 2.5-3 1			05-MET-041 05-MET-041 08/23/05 2-2.5 1			05-MET-042 05-MET-042 08/19/05 2-2.5 1			05-MET-042 05-MET-042A 08/19/05 2-2.5 1			05-MET-043 05-MET-043 08/19/05 4-4.5 1			05-MET-044 05-MET-044 08/22/05 4.5-5 1,5		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	1.05		5.55	1.22		5.14	0.963		ND	1.01		1.24	0.958	J	1.30	0.959	J	9.71	1.07		1.98	1.12	J
Arsenic	7440-38-2	15	15	MG/KG	6.02	0.856		22.8	0.996		4.19	0.787		5.97	0.823		9.26	0.783		4.64	0.784		10.4	0.874		21.0	0.912	
Beryllium	7440-41-7	32	32	MG/KG	0.764	0.0549		0.117	0.0639	J	0.518	0.0505	J	0.182	0.0528	J	ND	0.0502		0.129	0.0503	J	0.481	0.0561	J	0.790	0.0586	
Cadmium	7440-43-9	3.8	3.8	MG/KG	1.08	0.11		1.19	0.128		ND	0.101		ND	0.106		ND	0.1		ND	0.101		2.19	0.112		1.50	0.117	
Chromium	7440-47-3	NS	NS	MG/KG	339	0.677		1210	0.788		1120	0.622		46.7	0.651		51.2	0.619		54.0	0.62		2060	0.691		182	0.722	
Copper	7440-50-8	3600	3600	MG/KG	95.4	0.383		502	0.446		48.7	0.352		26.4	0.369		222	0.351		112	0.351		255	0.391		241	0.409	
Lead	7439-92-1	45	45	MG/KG	73.3	0.996		154	1.16		40.9	0.916		33.7	0.958		346	0.911		187	0.912		219	1.02		479	1.06	
Mercury	7439-97-6	1	1	MG/KG	0.221	0.0034		0.381	0.004		0.288	0.0031		0.197	0.0031		0.718	0.0031		0.827	0.0031		1.08	0.0036		2.20	0.0182	
Nickel	7440-02-0	65	65	MG/KG	44.6	0.421		66.4	0.49		71.8	0.387		10.6	0.405		32.8	0.386		20.7	0.386		89.2	0.431		35.3	0.449	
Selenium	7782-49-2	5	5	MG/KG	2.19	1.23	J	2.14	1.43	J	ND	1.13		ND	1.18		1.53	1.12	J	1.35	1.12	J	2.53	1.25	J	ND	1.31	
Silver	7440-22-4	10	10	MG/KG	0.623	0.243	J	1.03	0.282		0.410	0.223	J	ND	0.233		0.460	0.222	J	0.374	0.222	J	1.17	0.248		0.881	0.259	
Thallium	7440-28-0	1.4	1.4	MG/KG	1.29	1.23	J	2.70	1.43	J	1.34	1.13	J	2.13	1.18	J	1.38	1.12	J	2.86	1.12		3.60	1.25		2.56	1.31	J
Zinc	7440-66-6	1200	1200	MG/KG	240	0.587		231	0.684		204	0.54		49.5	0.565		27.1	0.537		27.5	0.538		470	0.6		388	0.626	



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-046 05-MET-046 08/23/05 5.5-6 1			05-MET-047 05-MET-047 08/19/05 2-2.5 1			05-MET-048 05-MET-048 08/22/05 4.5-5 1			05-MET-049 05-MET-049 08/22/05 4.5-5 1			05-MET-049 05-MET-049A 08/22/05 4.5-5 1			05-MET-051 05-MET-051 08/22/05 4.5-5 1			05-MET-052 05-MET-052 08/23/05 4-4.5 1, 20			05-MET-052 05-MET-052V 08/23/05 15-15.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	0.964		9.80	0.993		7.40	1.03		ND	1		1.34	1.03	J	ND	1.09		ND	1.24		ND	0.964	
Arsenic	7440-38-2	15	15	MG/KG	4.48	0.788		27.5	0.811		22.0	0.84		7.59	0.817		7.25	0.845		11.3	0.893		34.6	1.01		1.16	0.788	J
Beryllium	7440-41-7	32	32	MG/KG	1.07	0.0506		0.712	0.0521		0.412	0.0539	J	0.478	0.0524	J	0.438	0.0542	J	0.517	0.0573	J	0.628	0.0648	J	0.502	0.0506	J
Cadmium	7440-43-9	3.8	3.8	MG/KG	ND	0.101		ND	0.104		5.89	0.108		1.03	0.105		0.699	0.108		1.85	0.115		1.85	0.13		ND	0.101	
Chromium	7440-47-3	NS	NS	MG/KG	40.0	0.623		156	0.642		233	0.664		255	0.646		126	0.668		937	0.706		1320	0.799		25.4	0.623	
Copper	7440-50-8	3600	3600	MG/KG	16.6	0.353		193	0.363		198	0.376		132	0.366		45.1	0.378		212	0.4		410	0.452		6.76	0.353	
Lead	7439-92-1	45	45	MG/KG	10.7	0.917		427	0.945		203	0.978		154	0.951		139	0.984		111	1.04		240	1.18		7.84	0.917	
Mercury	7439-97-6	1	1	MG/KG	ND	0.003		0.341	0.0031		0.716	0.0033		0.416	0.0032		0.476	0.0034		0.476	0.0035		7.61	0.0766		ND	0.003	
Nickel	7440-02-0	65	65	MG/KG	31.4	0.388		48.8	0.4		55.9	0.414		46.1	0.402		16.3	0.416		35.0	0.44		150	0.497		11.3	0.388	
Selenium	7782-49-2	5	5	MG/KG	ND	1.13	J	1.76	1.16		ND	1.2		ND	1.17		ND	1.21		ND	1.28		ND	1.45		ND	1.13	
Silver	7440-22-4	10	10	MG/KG	ND	0.223		0.849	0.23		0.297	0.238	J	ND	0.232		0.261	0.24	J	ND	0.253		ND	0.286		ND	0.223	
Thallium	7440-28-0	1.4	1.4	MG/KG	2.79	1.13		2.22	1.16	J	2.79	1.2		3.72	1.17		3.09	1.21		5.84	1.28		12.3	1.45		ND	1.13	
Zinc	7440-66-6	1200	1200	MG/KG	59.1	0.541		659	0.557		101	0.577		96.4	0.561		62.6	0.58		154	0.613		644	0.693		26.9	0.541	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-053 05-MET-053 08/23/05 5.5-6 1			05-MET-054 05-MET-054 08/23/05 2-2.5 1			05-MET-055 05-MET-055 08/23/05 5-5.5 1			05-MET-056 05-MET-056 08/23/05 4.5-5 1			05-MET-057 05-MET-057 08/16/05 10.5-11 1			05-MET-058 05-MET-058 08/16/05 12.5-13 1			05-MET-059 05-MET-059 08/17/05 17-17.5 1			05-MET-059 05-MET-059V 08/17/05 22.5-23 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	1.23		ND	1.04		ND	1.06		ND	0.913		ND	1.01		ND	0.986		ND	0.928		ND	1.02	
Arsenic	7440-38-2	15	15	MG/KG	16.3	1.01		13.6	0.85		11.1	0.866		3.83	0.746		7.40	0.828		1.82	0.805	J	ND	0.759		ND	0.834	
Beryllium	7440-41-7	32	32	MG/KG	0.515	0.0646	J	0.688	0.0546		2.17	0.0556		1.74	0.0479		1.11	0.0532		0.707	0.0517		0.670	0.0487		2.05	0.0536	
Cadmium	7440-43-9	3.8	3.8	MG/KG	0.225	0.129	J	0.329	0.109	J	1.30	0.111		0.718	0.0958		0.402	0.106	J	0.269	0.103	J	ND	0.0974		0.111	0.107	J
Chromium	7440-47-3	NS	NS	MG/KG	87.9	0.796		88.7	0.673		87.5	0.685		859	0.59		36.5	0.655		36.9	0.637		23.1	0.6		486	0.66	
Copper	7440-50-8	3600	3600	MG/KG	80.3	0.451		115	0.381		154	0.388		119	0.334		12.7	0.371		11.4	0.361		5.04	0.34		6.23	0.374	
Lead	7439-92-1	45	45	MG/KG	269	1.17		209	0.99		223	1.01		78.2	0.869		6.81	0.964		7.41	0.938		2.55	0.883		8.58	0.971	
Mercury	7439-97-6	1	1	MG/KG	0.587	0.004		0.956	0.0032		0.489	0.0034		0.0535	0.0028	J	0.0097	0.0031	J	ND	0.0031		ND	0.003		ND	0.0032	
Nickel	7440-02-0	65	65	MG/KG	15.7	0.496		26.8	0.419		29.4	0.427		32.6	0.368		26.4	0.408		17.3	0.397		5.84	0.374		164	0.411	
Selenium	7782-49-2	5	5	MG/KG	2.84	1.44	J	ND	1.22	J	1.72	1.24	J	1.42	1.07	J	ND	1.19		ND	1.15		ND	1.09		ND	1.2	
Silver	7440-22-4	10	10	MG/KG	0.391	0.285	J	ND	0.241	J	0.401	0.246	J	ND	0.212		ND	0.235		ND	0.228		ND	0.215		ND	0.237	
Thallium	7440-28-0	1.4	1.4	MG/KG	2.51	1.44	J	3.14	1.22		3.46	1.24		6.37	1.07		2.20	1.19	J	1.44	1.15	J	ND	1.09		5.58	1.2	
Zinc	7440-66-6	1200	1200	MG/KG	68.8	0.691		197	0.584		224	0.595		253	0.512		111	0.569		38.7	0.553		11.6	0.521		72.9	0.573	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-060 05-MET-060 08/16/05 5.5-6 1			05-MET-060 05-MET-060B 08/16/05 16.5-17 1			05-MET-060 05-MET-060V 08/16/05 34-34.5 1			05-MET-061 05-MET-061 08/15/05 7.5-8 1			05-MET-062 05-MET-062 08/15/05 5.25-5.75 1			05-MET-063 05-MET-063 08/15/05 1.75-2.25 1			05-MET-065 05-MET-065 08/15/05 29-29.5 1			05-MET-065 05-MET-065A 08/15/05 29-29.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	1.01		ND	1		ND	1.01		1.34	1.16	J	4.98	1.12		ND	1.06		ND	1.01		ND	0.994	
Arsenic	7440-38-2	15	15	MG/KG	5.63	0.829		1.39	0.817	J	ND	0.824		36.5	0.946		20.5	0.911		4.60	0.863		2.20	0.822	J	2.33	0.812	J
Beryllium	7440-41-7	32	32	MG/KG	0.759	0.0532		0.680	0.0524		0.732	0.0529		0.318	0.0607	J	1.04	0.0585		1.24	0.0554		0.631	0.0528		0.662	0.0521	
Cadmium	7440-43-9	3.8	3.8	MG/KG	2.54	0.106		0.239	0.105	J	0.481	0.106	J	0.198	0.121	J	0.155	0.117	J	1.81	0.111		ND	0.106		ND	0.104	
Chromium	7440-47-3	NS	NS	MG/KG	33.0	0.656		42.3	0.646		225	0.652		25.2	0.749		25.3	0.721		73.6	0.682		24.4	0.65		22.9	0.642	
Copper	7440-50-8	3600	3600	MG/KG	13.3	0.371		8.04	0.366		11.3	0.369		38.5	0.424		76.5	0.408		72.7	0.386		11.1	0.368		11.1	0.364	
Lead	7439-92-1	45	45	MG/KG	26.5	0.965		9.00	0.951		3.16	0.959		107	1.1		34.4	1.06		197	1		6.88	0.957		6.92	0.945	
Mercury	7439-97-6	1	1	MG/KG	0.0214	0.0031	J	ND	0.0032		ND	0.0033		0.458	0.0037		0.265	0.0036		0.338	0.0034		ND	0.0032		ND	0.0032	
Nickel	7440-02-0	65	65	MG/KG	14.5	0.408		19.5	0.402		75.5	0.406		40.5	0.466		95.0	0.449		47.5	0.425		14.5	0.405		13.9	0.4	
Selenium	7782-49-2	5	5	MG/KG	ND	1.19		ND	1.17		ND	1.18		1.45	1.36	J	ND	1.31		1.31	1.24	J	ND	1.18		ND	1.16	
Silver	7440-22-4	10	10	MG/KG	ND	0.235		ND	0.232		ND	0.234		ND	0.268		ND	0.258		ND	0.245		ND	0.233		ND	0.23	
Thallium	7440-28-0	1.4	1.4	MG/KG	2.73	1.19		2.04	1.17	J	1.54	1.18	J	ND	1.36		2.23	1.31	J	2.85	1.24		1.84	1.18	J	1.98	1.16	J
Zinc	7440-66-6	1200	1200	MG/KG	345	0.569		47.1	0.561		38.4	0.566		64.9	0.65		89.1	0.626		192	0.592		34.9	0.564		35.6	0.557	



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-065 05-MET-065B 08/15/05 21.25-21.75 1, 5			05-MET-065 05-MET-065V 08/15/05 29-29.5 1			05-MET-066 05-MET-066 08/16/05 13.5-14 1			05-MET-068 05-MET-068 08/17/05 15-15.5 1			05-MET-069 05-MET-069 08/17/05 15-15.5 1			05-MET-071 05-MET-071 08/22/05 10.25-10.75 1			05-MET-072 05-MET-072 08/22/05 4-4.5 1, 20			05-MET-074 05-MET-074 08/22/05 6.75-7.25 1, 5		
	CAS #	0-2'	2-15'	Units	Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier		
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	4.94		ND	0.946		ND	0.926		ND	0.928		ND	0.961		ND	1.17		1.50	1	J	2.45	1.13	J
Arsenic	7440-38-2	15	15	MG/KG	ND	4.04		ND	0.773		1.12	0.756	J	3.43	0.759		2.68	0.785		8.80	0.956		6.13	0.821		10.4	0.926	
Beryllium	7440-41-7	32	32	MG/KG	1.82	0.259	J	1.34	0.0496		0.546	0.0485	J	0.835	0.0487		0.649	0.0504		1.19	0.0614		1.34	0.0527		0.542	0.0595	J
Cadmium	7440-43-9	3.8	3.8	MG/KG	1.41	0.518	J	ND	0.0992		0.235	0.0971	J	ND	0.0974		ND	0.101		2.72	0.123		33.9	0.105		8.18	0.119	
Chromium	7440-47-3	NS	NS	MG/KG	345	3.19		330	0.611		41.4	0.598		48.5	0.6		27.1	0.621		39.2	0.756		130	0.649		322	0.733	
Copper	7440-50-8	3600	3600	MG/KG	33.4	0.361		4.59	0.346		8.42	0.339		15.3	0.34		11.2	0.352		114	0.428		636	0.368		170	0.415	
Lead	7439-92-1	45	45	MG/KG	45.0	4.7		3.55	0.9		7.30	0.881		5.77	0.883		14.2	0.914		185	1.11		591	0.956		1130	1.08	
Mercury	7439-97-6	1	1	MG/KG	ND	0.0033		ND	0.003		ND	0.003		ND	0.0029		0.0331	0.0031	J	0.0817	0.0037	J	3.97	0.065		2.07	0.0181	
Nickel	7440-02-0	65	65	MG/KG	128	1.99		131	0.381		21.3	0.373		22.1	0.374		16.5	0.387		22.1	0.471		124	0.404		104	0.456	
Selenium	7782-49-2	5	5	MG/KG	ND	5.78		ND	1.11		ND	1.08		ND	1.09		ND	1.12		ND	1.37		ND	1.18		4.82	1.33	
Silver	7440-22-4	10	10	MG/KG	ND	1.14		ND	0.219		ND	0.214		ND	0.215		ND	0.223		ND	0.271		ND	0.233		0.296	0.263	J
Thallium	7440-28-0	1.4	1.4	MG/KG	11.2	5.78	J	5.36	1.11		1.94	1.08	J	2.43	1.09		1.39	1.12	J	2.81	1.37	J	2.69	1.18		2.95	1.33	
Zinc	7440-66-6	1200	1200	MG/KG	85.9	2.77		67.1	0.531		27.0	0.519		25.0	0.521		49.5	0.539		426	0.656		317	0.564		405	0.636	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-075 05-MET-075 08/22/05 3.75-4.25 1, 40			05-MET-075 05-MET-075V 08/22/05 12.5-13 1			05-MET-076 05-MET-076 08/17/05 4.5-5 1			05-MET-076 05-MET-076A 08/17/05 4.5-5 1			05-MET-079 05-MET-079S 08/17/05 1.5-2 1, 5			05-MET-079 05-MET-079 08/17/05 2-2.5 1			05-MET-080 05-MET-080 08/17/05 8.5-9 1			05-MET-081 05-MET-081 08/12/05 2.5-3 1, 5		
	CAS #	0-2'	2-15'	Units	Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier		
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	9.34	1.16		ND	0.966		ND	1.01		ND	1.18		2.27	1.12	J	ND	1.12		ND	1.03		0.979	0.936	J
Arsenic	7440-38-2	15	15	MG/KG	9.38	0.948		2.65	0.789		10.8	0.822		15.0	0.964		14.2	0.914		16.5	0.917		8.33	0.843		12.2	0.765	
Beryllium	7440-41-7	32	32	MG/KG	6.05	0.0609		0.913	0.0507		0.592	0.0528	J	1.03	0.0618		1.28	0.0586		0.700	0.0589		0.526	0.0541	J	0.597	0.0491	
Cadmium	7440-43-9	3.8	3.8	MG/KG	28.5	0.122		0.198	0.101	J	2.32	0.106		2.41	0.124		52.5	0.117		5.96	0.118		ND	0.108		3.55	0.0982	
Chromium	7440-47-3	NS	NS	MG/KG	434	0.75		33.0	0.624		76.8	0.651		123	0.762		148	0.723		56.3	0.726		19.6	0.667		129	0.605	
Copper	7440-50-8	3600	3600	MG/KG	24700	0.425		12.1	0.353		98.9	0.368		115	0.431		189	0.409		85.8	0.411		57.7	0.377		72.3	0.343	
Lead	7439-92-1	45	45	MG/KG	4730	1.1		8.95	0.919		203	0.957		275	1.12		628	1.06		119	1.07		47.6	0.981		253	0.891	
Mercury	7439-97-6	1	1	MG/KG	11.6	0.152		0.0162	0.0032	J	0.744	0.0033		0.812	0.0037		2.12	0.0184		0.445	0.0037		0.0771	0.0033	J	1.00	0.0147	
Nickel	7440-02-0	65	65	MG/KG	251	0.467		15.5	0.389		26.1	0.405		35.9	0.475		42.9	0.45		22.7	0.452		10.4	0.415		38.3	0.377	
Selenium	7782-49-2	5	5	MG/KG	ND	1.36		ND	1.13		ND	1.18		ND	1.38		ND	1.31		ND	1.31		ND	1.21		ND	1.1	
Silver	7440-22-4	10	10	MG/KG	4.47	0.269		ND	0.224		0.259	0.233	J	0.375	0.273	J	0.783	0.259		ND	0.26		ND	0.239		0.475	0.217	J
Thallium	7440-28-0	1.4	1.4	MG/KG	4.59	1.36		2.01	1.13	J	1.21	1.18	J	2.48	1.38	J	3.78	1.31		2.05	1.31	J	1.29	1.21	J	2.59	1.1	
Zinc	7440-66-6	1200	1200	MG/KG	8150	0.651		35.1	0.542		180	0.565		264	0.662		576	0.627		322	0.63		72.3	0.579		216	0.525	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-082 05-MET-082 08/12/05 2.25-2.75 1, 10, 5			05-MET-083 05-MET-083 08/12/05 2.5-3 1, 20			05-MET-084 05-MET-084 08/12/05 7-7.5 1			05-MET-085 05-MET-085 08/12/05 7.5-8 1			05-MET-086 05-MET-086 08/12/05 2.5-3 1, 20			05-MET-087 05-MET-087 08/11/05 4-4.5 1			05-MET-088 05-MET-088 08/11/05 3-3.5 1			05-MET-089 05-MET-089 08/12/05 5-5.5 1		
	CAS #	0-2'	2-15'	Units	Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier		
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	5.79	0.885		37.4	0.962		ND	0.952		ND	0.982		4.47	0.921		1.15	1.07	J	ND	1.04		ND	1.1	
Arsenic	7440-38-2	15	15	MG/KG	15.3	0.723		5.92	0.786		8.27	0.778		5.80	0.802		12.4	0.753		21.1	0.875		21.3	0.85		5.85	0.9	
Beryllium	7440-41-7	32	32	MG/KG	16.0	0.0464		2.34	0.0504		0.369	0.0499	J	0.699	0.0515		0.652	0.0483		0.376	0.0562	J	0.543	0.0545	J	0.744	0.0577	
Cadmium	7440-43-9	3.8	3.8	MG/KG	7.07	0.0928		93.7	0.101		ND	0.0999		ND	0.103		18.4	0.0966		ND	0.112		ND	0.109		ND	0.115	
Chromium	7440-47-3	NS	NS	MG/KG	249	0.572		714	0.621		20.8	0.615		42.7	0.634		122	0.595		31.5	0.692		36.9	0.672		28.9	0.712	
Copper	7440-50-8	3600	3600	MG/KG	979	0.324		411	0.352		13.4	0.348		15.8	0.359		186	0.337		49.7	0.392		48.4	0.381		15.8	0.403	
Lead	7439-92-1	45	45	MG/KG	794	0.841		3300	0.915		33.9	0.906		7.75	0.934		790	0.876		146	1.02		111	0.989		79.7	1.05	
Mercury	7439-97-6	1	1	MG/KG	2.17	0.0143		7.26	0.0608		0.0724	0.003	J	0.0127	0.0031	J	7.36	0.061		0.351	0.0035		0.156	0.0035		0.171	0.0035	
Nickel	7440-02-0	65	65	MG/KG	156	0.356		62.7	0.387		8.64	0.383		15.0	0.395		52.3	0.371		19.1	0.431		14.8	0.419		15.8	0.443	
Selenium	7782-49-2	5	5	MG/KG	16.1	1.04		2.16	1.13	J	ND	1.11		ND	1.15		ND	1.08		ND	1.25		ND	1.22		ND	1.29	
Silver	7440-22-4	10	10	MG/KG	5.72	0.205		9.54	0.223		ND	0.221		ND	0.227		0.681	0.213		0.426	0.248	J	0.415	0.241	J	ND	0.255	
Thallium	7440-28-0	1.4	1.4	MG/KG	12.7	10.4	J	3.24	1.13		1.74	1.11	J	2.34	1.15	J	2.01	1.08	J	3.71	1.25		3.19	1.22		1.89	1.29	J
Zinc	7440-66-6	1200	1200	MG/KG	6020	4.96		2370	0.539		88.4	0.534		31.8	0.551		792	0.517		76.2	0.601		56.3	0.584		67.5	0.618	



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-090 05-MET-090 08/12/05 3-3.5 1, 5			05-MET-090 05-MET-090A 08/12/05 3-3.5 1			05-MET-091 05-MET-091 08/12/05 10.5-11 1			05-MET-092 05-MET-092 08/09/05 7.5-8 1			05-MET-093 05-MET-093 08/11/05 6.5-7 1			05-MET-094 05-MET-094 08/10/05 5.5-6 1			05-MET-095 05-MET-095 08/10/05 12.5-13 1			05-MET-096 05-MET-096 08/10/05 8.75-9.25 1		
	CAS #	0-2'	2-15'	Units	Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier		
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	1.75	1.13	J	3.84	0.956		ND	0.967		5.98	2.48	J	ND	1.84		1.62	1.5	J	ND	1.12		ND	1.07	
Arsenic	7440-38-2	15	15	MG/KG	12.4	0.927		18.4	0.781		3.03	0.79		18.5	2.03		9.13	1.51		56.6	1.22		6.30	0.918		2.88	0.874	
Beryllium	7440-41-7	32	32	MG/KG	1.51	0.0595		2.45	0.0501		0.755	0.0507		0.191	0.13	J	0.220	0.0966	J	0.508	0.0786	J	0.620	0.0589	J	0.335	0.0561	J
Cadmium	7440-43-9	3.8	3.8	MG/KG	0.605	0.119	J	0.596	0.1		ND	0.101		ND	0.26		2.90	0.193		0.207	0.157	J	ND	0.118		ND	0.112	
Chromium	7440-47-3	NS	NS	MG/KG	199	0.733		213	0.618		38.0	0.625		51.2	1.6		31.8	1.19		32.1	0.969		34.1	0.726		15.7	0.692	
Copper	7440-50-8	3600	3600	MG/KG	258	0.415		295	0.35		10.8	0.354		14.6	0.908		28.8	0.674		94.8	0.548		15.3	0.411		7.80	0.391	
Lead	7439-92-1	45	45	MG/KG	168	1.08		231	0.909		7.95	0.92		60.4	2.36		137	1.75		116	1.43		18.7	1.07		18.2	1.02	
Mercury	7439-97-6	1	1	MG/KG	1.21	0.0186		0.398	0.003		0.0083	0.0031	J	0.318	0.0081		0.249	0.006		0.291	0.0048		0.0328	0.0036	J	0.0329	0.0034	J
Nickel	7440-02-0	65	65	MG/KG	105	0.457		139	0.385		18.9	0.399		49.5	0.999		19.0	0.741		27.2	0.603		13.4	0.452		8.05	0.431	
Selenium	7782-49-2	5	5	MG/KG	ND	1.33		3.48	1.12		ND	1.13		ND	2.91		ND	2.16		5.93	1.75		ND	1.31		ND	1.25	
Silver	7440-22-4	10	10	MG/KG	0.447	0.263	J	0.668	0.221		ND	0.224		ND	0.575		0.443	0.427	J	0.464	0.347	J	ND	0.26		ND	0.248	
Thallium	7440-28-0	1.4	1.4	MG/KG	4.06	1.33		4.89	1.12		1.93	1.13	J	ND	2.91		4.89	2.16		5.75	1.75		ND	1.31		ND	1.25	
Zinc	7440-66-6	1200	1200	MG/KG	144	0.636		224	0.536		38.7	0.543		155	1.39		80.8	1.03		170	0.841		62.9	0.63		30.4	0.6	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-096 05-MET-096A 08/10/05 8.75-9.25 1			05-MET-096 05-MET-096V 08/10/05 18.5-19 1, 5			05-MET-097 05-MET-097 08/09/05 9-9.5 1			05-MET-098 05-MET-098S 08/12/05 1.5-2 1			05-MET-098 05-MET-098 08/12/05 10.5-11 1			05-MET-098 05-MET-098V 08/12/05 17-17.5 1			05-MET-099 05-MET-099 08/09/05 8-8.5 1			05-MET-100 05-MET-100 08/09/05 17.5-18 1		
	CAS #	0-2'	2-15'	Units	Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier		
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	1.13		ND	1.02		ND	0.986		ND	1.1		ND	0.967		ND	1.01		ND	1.49		ND	1.83	
Arsenic	7440-38-2	15	15	MG/KG	5.00	0.92		1.08	0.835	J	5.36	0.806		16.7	0.9		3.48	0.79		2.59	0.824		27.9	1.22		12.3	1.5	
Beryllium	7440-41-7	32	32	MG/KG	0.571	0.059	J	1.97	0.0536		0.605	0.0517		0.579	0.0577	J	0.800	0.0507	J	0.400	0.0529	J	0.362	0.0782	J	0.286	0.0962	J
Cadmium	7440-43-9	3.8	3.8	MG/KG	ND	0.118		ND	0.536		ND	0.103		0.369	0.115	J	ND	0.101		ND	0.106		0.173	0.156	J	ND	0.192	
Chromium	7440-47-3	NS	NS	MG/KG	24.6	0.728		256	0.661		34.7	0.638		33.5	0.712		43.3	0.625		27.6	0.652		51.8	0.964		70.6	1.19	
Copper	7440-50-8	3600	3600	MG/KG	17.5	0.412		51.0	0.374		12.5	0.361		67.0	0.403		13.9	0.354		21.4	0.369		56.2	0.546		51.5	0.671	
Lead	7439-92-1	45	45	MG/KG	35.5	1.07		4.32	0.973		15.8	0.938		96.3	1.05		11.3	0.92		11.3	0.959		124	1.42		39.5	1.74	
Mercury	7439-97-6	1	1	MG/KG	0.0637	0.0037	J	ND	0.0033		0.0173	0.0031	J	0.175	0.0035		0.0053	0.0031	J	0.0196	0.0032	J	0.103	0.0047	J	0.117	0.0058	J
Nickel	7440-02-0	65	65	MG/KG	14.2	0.453		109	0.412		14.8	0.397		24.7	0.443		20.7	0.389		16.9	0.406		62.9	0.6		12.3	0.738	
Selenium	7782-49-2	5	5	MG/KG	ND	1.32		ND	1.2		ND	1.15		ND	1.29		ND	1.13		ND	1.18		2.29	1.75	J	ND	2.15	
Silver	7440-22-4	10	10	MG/KG	ND	0.261		0.345	0.237	J	0.235	0.229	J	ND	0.255		ND	0.224		ND	0.234		0.453	0.346	J	ND	0.425	
Thallium	7440-28-0	1.4	1.4	MG/KG	ND	1.32		1.87	1.2	J	ND	1.15		2.67	1.29	J	2.57	1.13		1.21	1.18	J	2.02	1.75	J	3.05	2.15	J
Zinc	7440-66-6	1200	1200	MG/KG	66.0	0.632		80.4	0.574		44.5	0.553		115	0.618		43.5	0.543		32.2	0.566		95.0	0.837		119	1.03	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-101 05-MET-101 08/10/05 12-12.5 1			05-MET-102 05-MET-102 08/09/05 9.5-10 1			05-MET-103 05-MET-103 08/11/05 9.5-10 1			05-MET-103 05-MET-103V 08/11/05 18.5-19 1			05-MET-104 05-MET-104S 08/11/05 1.5-2 1, 5			05-MET-104 05-MET-104 08/11/05 10-10.5 1			05-MET-105 05-MET-105 08/09/05 11.75-12.25 1			05-MET-106 05-MET-106 08/09/05 6.5-7 1, 5, 50		
	CAS #	0-2'	2-15'	Units	Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier		
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	1.2		ND	1		ND	0.982		ND	1.05		1.98	0.899	J	ND	1.04		ND	1.16		14.4	1.38	
Arsenic	7440-38-2	15	15	MG/KG	11.6	0.983		6.65	0.817		10.7	0.802		1.14	0.857	J	10.2	0.735		3.59	0.848		3.34	0.946		11.0	1.13	
Beryllium	7440-41-7	32	32	MG/KG	0.693	0.0631	J	0.584	0.0524	J	0.951	0.0515		0.846	0.055		0.234	0.0471	J	0.827	0.0544		1.01	0.0607		0.900	0.0724	
Cadmium	7440-43-9	3.8	3.8	MG/KG	ND	0.126		ND	0.105		0.156	0.103	J	ND	0.11		14.4	0.0943		ND	0.109		0.696	0.121	J	142	0.145	
Chromium	7440-47-3	NS	NS	MG/KG	28.7	0.778		36.0	0.646		54.1	0.634		447	0.678		90.7	0.581		29.1	0.671		34.2	0.749		1550	0.892	
Copper	7440-50-8	3600	3600	MG/KG	12.4	0.44		12.2	0.366		52.2	0.359		6.40	0.384		154	0.329		14.1	0.38		19.8	0.424		362	0.505	
Lead	7439-92-1	45	45	MG/KG	40.0	1.14		9.32	0.951		136	0.934		3.47	0.997		607	0.855		10.6	0.988		39.6	1.1		7530	1.31	
Mercury	7439-97-6	1	1	MG/KG	0.0615	0.0038	J	0.0136	0.0033	J	0.0207	0.0031	J	ND	0.0033		1.98	0.0141		0.0242	0.0033	J	0.115	0.0036	J	15.0	0.22	
Nickel	7440-02-0	65	65	MG/KG	13.5	0.484		12.2	0.402		73.2	0.395		144	0.422		26.6	0.362		19.0	0.418		16.5	0.466		83.2	0.555	
Selenium	7782-49-2	5	5	MG/KG	ND	1.41		ND	1.17		ND	1.15		ND	1.23		1.18	1.05	J	ND	1.22		ND	1.36		3.50	1.62	
Silver	7440-22-4	10	10	MG/KG	ND	0.279		0.296	0.232	J	ND	0.227		0.657	0.243		0.795	0.208		ND	0.241		0.384	0.268	J	2.12	0.32	
Thallium	7440-28-0	1.4	1.4	MG/KG	ND	1.41		ND	1.17		ND	1.15		4.18	1.23		3.97	1.05		1.37	1.22	J	3.47	1.36		4.28	1.62	
Zinc	7440-66-6	1200	1200	MG/KG	53.3	0.675		31.6	0.561		169	0.551		84.9	0.588		633	0.504		43.3	0.582		76.1	0.65		2250	3.87	



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-107 05-MET-107 08/10/05 7.5-8 1			05-MET-108 05-MET-108 08/17/05 8.5-9 1			05-MET-109 05-MET-109S 08/19/05 1.5-2 1			05-MET-109 05-MET-109 08/19/05 5.75-6.25 1			05-MET-110 05-MET-110 08/19/05 12-12.5 1			05-MET-111 05-MET-111 08/10/05 12.75-13.25 1			05-MET-112 05-MET-112 08/09/05 9-9.5 1			05-MET-112 05-MET-112V 08/09/05 17.5-18 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	1.02		ND	1.07		1.45	1.07	J	ND	1.06		ND	1.21		ND	1.15		1.59	1.47	J	ND	1.16	
Arsenic	7440-38-2	15	15	MG/KG	53.2	0.831		22.3	0.871		1.86	0.874	J	29.5	0.867		7.89	0.99		3.25	0.938		9.84	1.2		ND	0.949	
Beryllium	7440-41-7	32	32	MG/KG	ND	0.0534		0.233	0.0559	J	1.13	0.0561		0.509	0.0556	J	1.15	0.0635		0.833	0.0602		1.36	0.0771		2.06	0.0609	
Cadmium	7440-43-9	3.8	3.8	MG/KG	0.166	0.107	J	1.27	0.112		35.0	0.112		6.09	0.111		ND	0.127		ND	0.12		1.71	0.154		ND	0.122	
Chromium	7440-47-3	NS	NS	MG/KG	32.1	0.658		60.0	0.689		104	0.692		60.0	0.686		38.2	0.783		33.0	0.742		73.5	0.951		242	0.751	
Copper	7440-50-8	3600	3600	MG/KG	73.4	0.372		114	0.39		86.4	0.391		61.6	0.388		47.5	0.443		22.5	0.42		115	0.538		13.5	0.425	
Lead	7439-92-1	45	45	MG/KG	31.5	0.968		59.4	1.01		606	1.02		383	1.01		53.6	1.15		22.1	1.09		204	1.4		5.43	1.1	
Mercury	7439-97-6	1	1	MG/KG	0.0135	0.0032	J	0.155	0.0036		0.415	0.0034		0.791	0.0033		0.164	0.0037		0.174	0.0036		0.307	0.0048		0.0087	0.0038	J
Nickel	7440-02-0	65	65	MG/KG	11.1	0.409		74.4	0.429		32.4	0.431		9.92	0.427		20.8	0.488		19.1	0.462		55.6	0.592		72.7	0.467	
Selenium	7782-49-2	5	5	MG/KG	1.32	1.19	J	ND	1.25		ND	1.25		ND	1.24		ND	1.42		ND	1.34		1.81	1.72	J	ND	1.36	
Silver	7440-22-4	10	10	MG/KG	ND	0.236		ND	0.247		1.89	0.248		0.789	0.246		0.467	0.281	J	0.312	0.266	J	0.653	0.341	J	0.337	0.269	J
Thallium	7440-28-0	1.4	1.4	MG/KG	ND	1.19		4.15	1.25		4.03	1.25		3.29	1.24		2.96	1.42		ND	1.34		ND	1.72		3.18	1.36	
Zinc	7440-66-6	1200	1200	MG/KG	36.6	0.571		400	0.598		214	0.6		636	0.595		146	0.68		49.0	0.644		473	0.825		57.7	0.652	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-113 05-MET-113 08/09/05 10.5-11 1			05-MET-114 05-MET-114 08/08/05 16.25-16.75 1			05-MET-114 05-MET-114V 08/08/05 21.75-22.25 1, 5			05-MET-115 05-MET-115 08/08/05 13-13.5 1, 10, 50			05-MET-116 05-MET-116 08/10/05 12.5-13 1, 5			05-MET-117 05-MET-117 08/08/05 6.5-7 1			05-MET-118 05-MET-118 08/09/05 8.75-9.25 1			05-MET-119 05-MET-119 08/11/05 5-5.5 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	1.09		ND	1.28		ND	1.06		59.3	1.25		3.65	1.48		ND	1.64		ND	1.28		2.07	1.35	J
Arsenic	7440-38-2	15	15	MG/KG	4.00	0.892		1.73	1.04	J	ND	0.868		3.08	1.02		8.89	1.21		8.23	1.34		9.23	1.05		92.1	1.1	
Beryllium	7440-41-7	32	32	MG/KG	0.844	0.0572		0.532	0.067	J	3.03	0.0557		1.23	0.0655		0.856	0.0778	J	0.224	0.086	J	0.757	0.0671	J	0.133	0.0706	J
Cadmium	7440-43-9	3.8	3.8	MG/KG	ND	0.114		ND	0.134		ND	0.557		376	0.131		18.2	0.156		ND	0.172		ND	0.134		7.46	0.141	
Chromium	7440-47-3	NS	NS	MG/KG	34.7	0.705		24.6	0.826		236	0.687		4530	0.807		372	0.959		148	1.06		28.8	0.827		63.8	0.871	
Copper	7440-50-8	3600	3600	MG/KG	13.6	0.399		4.05	0.468		20.0	0.389		1180	0.457		307	0.543		97.4	0.6		159	0.468		1790	0.493	
Lead	7439-92-1	45	45	MG/KG	39.8	1.04		9.26	1.22		6.83	1.01		19300	11.9		1250	1.41		93.0	1.56		44.1	1.22		94.0	1.28	
Mercury	7439-97-6	1	1	MG/KG	0.119	0.0036	J	0.0439	0.004	J	ND	0.0034		24.0	0.204		5.88	0.0234		0.182	0.0053	J	0.328	0.004		0.173	0.0044	
Nickel	7440-02-0	65	65	MG/KG	16.7	0.439		10.4	0.515		160	0.428		140	0.502		150	0.597		30.7	0.66		32.0	0.515		228	0.542	
Selenium	7782-49-2	5	5	MG/KG	ND	1.28		ND	1.5		ND	1.24		3.34	1.46		2.70	1.74	J	ND	1.92		ND	1.5		2.60	1.58	J
Silver	7440-22-4	10	10	MG/KG	ND	0.253		ND	0.296		0.562	0.246	J	9.33	0.289		1.23	0.344		0.900	0.38	J	0.585	0.296	J	0.577	0.312	J
Thallium	7440-28-0	1.4	1.4	MG/KG	ND	1.28		ND	1.5		ND	1.24		4.60	1.46		6.42	1.74		2.55	1.92	J	1.88	1.5	J	5.17	1.58	
Zinc	7440-66-6	1200	1200	MG/KG	63.2	0.612		31.4	0.717		97.6	0.596		4090	0.7		512	0.833		50.1	0.92		105	0.718		583	0.756	
	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-120 05-MET-120 08/10/05 8.5-9 1			05-MET-121 05-MET-121 08/10/05 8.5-9 1			05-MET-122 05-MET-122 08/08/05 6.25-6.75 1			05-MET-123 05-MET-123 08/09/05 12-12.5 1			05-MET-124 05-MET-124 08/11/05 10.75-11.25 1, 5			05-MET-125 05-MET-125 08/10/05 8.5-9 1			05-MET-126 05-MET-126 08/10/05 8.5-9 1			05-MET-127 05-MET-127 08/11/05 6.5-7 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	1.07		ND	1.09		ND	1.17		ND	1.24		2.09	1.12	J	ND	1.06		ND	1.12		ND	1.1	
Arsenic	7440-38-2	15	15	MG/KG	8.58	0.877		16.8	0.894		6.72	0.958		6.65	1.01		8.45	0.915		4.27	0.865		7.61	0.914		8.03	0.895	
Beryllium	7440-41-7	32	32	MG/KG	0.183	0.0563	J	0.313	0.0573	J	0.671	0.0615	J	0.496	0.0648	J	2.61	0.0587		0.400	0.0555	J	0.787	0.0586		0.458	0.0575	J
Cadmium	7440-43-9	3.8	3.8	MG/KG	0.266	0.113	J	2.92	0.115		ND	0.123		ND	0.13		ND	0.587		0.188	0.111	J	ND	0.117		1.16	0.115	
Chromium	7440-47-3	NS	NS	MG/KG	18.3	0.694		18.2	0.707		144	0.758		38.6	0.799		28.4	0.724		10.7	0.684		14.3	0.723		28.3	0.708	
Copper	7440-50-8	3600	3600	MG/KG	27.1	0.393		46.7	0.4		35.4	0.429		70.1	0.452		768	0.41		19.0	0.387		86.8	0.409		85.2	0.401	
Lead	7439-92-1	45	45	MG/KG	36.5	1.02		25.2	1.04		23.5	1.12		64.7	1.18		191	1.07		11.0	1.01		218	1.06		26.0	1.04	
Mercury	7439-97-6	1	1	MG/KG	0.205	0.0033		0.0404	0.0036	J	0.297	0.0038		0.188	0.0039		0.147	0.0038		0.0040	0.0032	J	0.125	0.0035	J	0.0402	0.0036	J
Nickel	7440-02-0	65	65	MG/KG	11.8	0.432		39.7	0.44		25.0	0.472		29.6	0.497		51.4	0.451		11.6	0.426		18.6	0.45		31.9	0.441	
Selenium	7782-49-2	5	5	MG/KG	ND	1.26		ND	1.28		ND	1.37		ND	1.45		ND	1.31		ND	1.24		ND	1.31		ND	1.28	
Silver	7440-22-4	10	10	MG/KG	ND	0.249		ND	0.253		0.316	0.272	J	0.378	0.286	J	1.24	0.26		0.337	0.245	J	0.460	0.259	J	ND	0.254	
Thallium	7440-28-0	1.4	1.4	MG/KG	ND	1.26		ND	1.28		1.57	1.37	J	ND	1.45		10.4	1.31		ND	1.24		ND	1.31		1.32	1.28	J
Zinc	7440-66-6	1200	1200	MG/KG	66.4	0.602		216	0.613		90.3	0.658		80.4	0.693		99.8	0.628		110	0.594		207	0.627		284	0.615	



Table 4-2  
Saturated Subsurface Soil Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Below Groundwater (Saturated)			Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-128 05-MET-128 08/22/05 6.75-7.25 1			05-MET-129 05-MET-129 08/22/05 5-5.5 1			05-MET-130 05-MET-130 08/17/05 8.5-9 1			05-MET-131 05-MET-131 08/18/05 2-2.5 1, 5			05-MET-132 05-MET-132 08/16/05 11-11.5 1			05-MET-133 05-MET-133 08/23/05 8-8.5 1			05-MET-134 05-MET-134 08/23/05 7-7.5 1			05-MET-135 05-MET-135 08/23/05 8.5-9 1		
	CAS #	0-2'	2-15'	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Metals																												
Antimony	7440-36-0	2.7	2.7	MG/KG	ND	1.09		2.81	1.21	J	ND	1.04		22.5	0.866		ND	0.967		ND	1.27		ND	0.969		ND	0.993	
Arsenic	7440-38-2	15	15	MG/KG	8.18	0.889		15.7	0.989		6.07	0.852		7.86	0.708		2.09	0.79	J	12.4	1.04		7.51	0.792		3.89	0.811	
Beryllium	7440-41-7	32	32	MG/KG	1.11	0.057		0.943	0.0635		0.535	0.0547	J	0.784	0.0454		0.626	0.0507		0.888	0.0667		0.955	0.0508		0.602	0.052	J
Cadmium	7440-43-9	3.8	3.8	MG/KG	1.14	0.114		6.35	0.127		0.372	0.109	J	4.09	0.0909		0.527	0.101	J	1.16	0.133		1.34	0.102		ND	0.104	
Chromium	7440-47-3	NS	NS	MG/KG	53.1	0.703		128	0.783		30.5	0.674		71.9	0.56		22.5	0.625		117	0.822		30.6	0.626		23.9	0.642	
Copper	7440-50-8	3600	3600	MG/KG	66.0	0.398		249	0.443		24.0	0.381		116	0.317		11.7	0.354		155	0.466		101	0.354		11.3	0.363	
Lead	7439-92-1	45	45	MG/KG	92.8	1.03		543	1.15		68.9	0.991		381	0.824		8.74	0.92		405	1.21		512	0.922		7.26	0.944	
Mercury	7439-97-6	1	1	MG/KG	0.178	0.0036		0.873	0.0039		0.0513	0.0034	J	1.40	0.0144		ND	0.0031		0.664	0.004		0.274	0.0031		ND	0.0031	
Nickel	7440-02-0	65	65	MG/KG	27.7	0.438		49.1	0.487		15.2	0.419		35.7	0.349		16.2	0.389		55.9	0.512		21.5	0.39		13.2	0.399	
Selenium	7782-49-2	5	5	MG/KG	ND	1.27		2.68	1.42	J	ND	1.22		ND	1.01		ND	1.13		2.09	1.49	J	1.16	1.13	J	ND	1.16	
Silver	7440-22-4	10	10	MG/KG	ND	0.252		0.443	0.281	J	ND	0.241		0.321	0.201	J	ND	0.224		4.26	0.295		ND	0.224		ND	0.23	
Thallium	7440-28-0	1.4	1.4	MG/KG	2.20	1.27	J	3.65	1.42		1.96	1.22	J	1.69	1.01	J	2.08	1.13	J	6.10	1.49		2.89	1.13		2.10	1.16	J
Zinc	7440-66-6	1200	1200	MG/KG	238	0.61		1650	0.679		129	0.585		659	0.486		41.5	0.542		950	0.714		528	0.543		38.2	0.557	



**Notes:**

Value exceeds PA ACT 2 Non-Residential Used Aquifer, TDS < 2500 Soil Medium Specific Concentration

\*\*- 2-Chloroethyl Vinyl Ether is an acid labile compound and could not be recovered in this sample due to the acid preservation of the sample

B- Compound was also detected in the blank

J- The reported concentration for this analyte is an estimated value

NA- Not Analyzed

ND- Not Detected above detection limit

NS- No PADEP standard

Sample 05-MET-007A is a duplicate sample of 05-MET-007

TICs- Tentatively identified compounds



Table 4-3  
Sand Blast Material Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP Act 2 Soil MSC Values Above Groundwater		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-TISD-01 05-TISD-01 08/11/05 0-0.5 1, 5			05-TISD-02 05-TISD-02 08/11/05 0-0.5 1			05-TISD-03 05-TISD-03 08/11/05 0-0.5 1, 5			05-TISD-04 05-TISD-04 08/11/05 0-0.5 1			05-TISD-05 05-TISD-05 08/11/05 0-0.5 1			05-TISD-06 05-TISD-06 08/11/05 0-0.5 1		
	CAS #	0 - 2'	Units	Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>Metals</b>																					
Arsenic	7440-38-2	53	MG/KG	5.48	0.669		1.30	0.69	J	2.83	0.685		1.07	0.697	J	ND	0.672		0.828	0.693	J
Barium	7440-39-3	8200	MG/KG	215	0.0879		65.2	0.0906		39.7	0.0899		13.5	0.0916		15.5	0.0882		30.9	0.091	
Cadmium	7440-43-9	38	MG/KG	ND	0.429		ND	0.0885		ND	0.439		ND	0.0895		ND	0.0862		0.258	0.0889	J
Chromium	7440-47-3	NS	MG/KG	47.2	0.529		33.8	0.546		22.6	0.542		5.80	0.552		8.21	0.531		9.44	0.548	
Lead	7439-92-1	450	MG/KG	132	0.779		163	0.803		44.0	0.797		9.66	0.812		4.83	0.782		21.0	0.806	
Mercury	7439-97-6	10	MG/KG	0.578	0.0026		0.0902	0.0028	J	0.0285	0.0027	J	0.0323	0.0028	J	0.0052	0.0026	J	0.0884	0.0028	J
Selenium	7782-49-2	26	MG/KG	1.98	0.959	J	ND	0.988		ND	0.981		ND	0.999		ND	0.963		ND	0.993	
Silver	7440-22-4	84	MG/KG	0.584	0.19		0.258	0.196	J	0.361	0.194	J	0.206	0.198	J	ND	0.191		0.207	0.196	J
	PADEP Act 2 Soil MSC Values Above Groundwater		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-TISD-07 05-TISD-07 08/11/05 0-0.5 1			05-TISD-08 05-TISD-08 08/11/05 0-0.5 1			05-TISD-09 05-TISD-09 08/11/05 0-0.5 1			05-TISD-10 05-TISD-10 08/11/05 0-0.5 1			05-TISD-11 05-TISD-11 08/11/05 0-0.5 1			05-TISD-12 05-TISD-12 08/11/05 0-0.5 1		
	CAS #	0 - 2'	Units	Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>Metals</b>																					
Arsenic	7440-38-2	53	MG/KG	3.01	0.66		1.47	0.727	J	ND	0.701		1.59	0.653	J	0.792	0.671	J	0.884	0.693	J
Barium	7440-39-3	8200	MG/KG	182	0.0867		31.3	0.0955		15.3	0.0921		25.8	0.0858		22.6	0.0881		28.5	0.0911	
Cadmium	7440-43-9	38	MG/KG	ND	0.0847		0.430	0.0933	J	ND	0.09		0.115	0.0839	J	0.139	0.0861	J	0.375	0.089	J
Chromium	7440-47-3	NS	MG/KG	24.2	0.522		17.0	0.575		5.01	0.555		9.91	0.517		8.54	0.531		11.1	0.549	
Lead	7439-92-1	450	MG/KG	46.6	0.768		39.8	0.847		12.0	0.816		28.8	0.761		31.6	0.781		31.2	0.807	
Mercury	7439-97-6	10	MG/KG	0.343	0.0025		0.0862	0.0029	J	0.0186	0.0028	J	0.0531	0.0026	J	0.219	0.0028		0.117	0.0028	
Selenium	7782-49-2	26	MG/KG	ND	0.946		ND	1.04		ND	1		ND	0.936		ND	0.962		ND	0.994	
Silver	7440-22-4	84	MG/KG	0.412	0.187	J	0.279	0.206	J	ND	0.199		ND	0.185		ND	0.19		ND	0.197	

Notes:

Value exceeds PA ACT 2 Non-Residential Used Aquifer, TDS < 2500 Soil Medium Specific Concentration

B- Compound was also detected in the blank

J- The reported concentration for this analyte is an estimated value

ND- Not Detected above detection limit

NS- No PADEP standard



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-002 05-MET-002 08/17/05 0-12 1			05-MET-004 05-MET-004 08/16/05 0-16 1			05-MET-006 05-MET-006 08/16/05 0-12 1			05-MET-007 05-MET-007 08/15/05 0-10 1, 2.5, 25			05-MET-007 05-MET-007A 08/15/05 0-10 1, 2.5, 25			05-MET-009 05-MET-009 08/15/05 0-15 1			05-MET-011 05-MET-011 08/16/05 0-12 1			05-MET-014 05-MET-014 08/15/05 0-10 1		
	CAS #	Non- Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																											
Acrolein	107-02-8	0.12	UG/L	ND	40		ND	10		ND	40		ND	100		ND	100		ND	40		ND	40		ND	40	
Acrylonitrile	107-13-1	2.7	UG/L	ND	4		ND	10		ND	4		ND	10		ND	10		ND	4		ND	4		ND	4	
Benzene	71-43-2	5	UG/L	ND	0.5		ND	10		2	0.5	J	3	1	J	2	1	J	ND	0.5		ND	0.5		ND	0.5	
Bromodichloromethane	75-27-4	100	UG/L	ND	1		ND	200		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
Bromoform	75-25-2	100	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
Bromomethane	74-83-9	10	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
Carbon tetrachloride	56-23-5	5	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
Chlorobenzene	108-90-7	100	UG/L	ND	0.8		ND	10		ND	0.8		ND	2		ND	2		ND	0.8		ND	0.8		ND	0.8	
Chlorodibromomethane	124-48-1	100	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
2-chloroethyl Vinyl Ether	110-75-8	NS	UG/L	ND	2		ND	20		ND	2		ND	5		ND	5		ND	2		ND	2		ND	2	
Chloroethane	75-00-3	900	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
Chloroform	67-66-3	100	UG/L	ND	0.8		ND	10		ND	0.8		ND	2		ND	2		ND	0.8		ND	0.8		ND	0.8	
Chloromethane	74-87-3	3	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
Ethylene Dibromide (EDB)	106-93-4	0.05	UG/L	ND	0.0096		ND	20		ND	0.01		ND	0.0093		ND	0.01		ND	0.0094		ND	0.01		ND	0.0096	
1,1-Dichloroethane	75-34-3	110	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
1,2-Dichloroethane	107-06-2	5	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
1,1-Dichloroethene	75-35-4	7	UG/L	ND	0.8		ND	10		ND	0.8		ND	2		ND	2		ND	0.8		ND	0.8		ND	0.8	
cis-1,2-Dichloroethylene	156-59-2	70	UG/L	ND	0.8		ND	10		ND	0.8		ND	2		ND	2		ND	0.8		ND	0.8		ND	0.8	
trans-1,2-Dichloroethylene	156-60-5	100	UG/L	ND	0.8		ND	10		ND	0.8		ND	2		ND	2		ND	0.8		ND	0.8		ND	0.8	
1,2-Dichloropropane	78-87-5	5	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
cis-1,3-Dichloropropene	10061-01-5	NS	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
trans-1,3-Dichloropropene	10061-02-6	NS	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
Ethylbenzene	100-41-4	700	UG/L	ND	0.8		ND	10		ND	0.8		600	2		500	2		ND	0.8		ND	0.8		ND	0.8	
Methyl tert-Butyl ether (MTBE)	1634-04-4	20	UG/L	ND	0.5		ND	10		ND	0.5		ND	1		ND	1		ND	0.5		ND	0.5		ND	0.5	
Methylene chloride	75-09-2	5	UG/L	ND	2		ND	10		ND	2		ND	5		ND	5		ND	2		ND	2		ND	2	
1,1,2,2-Tetrachloroethane	79-34-5	0.3	UG/L	ND	1		ND	20		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
Tetrachloroethylene (PCE)	127-18-4	5	UG/L	ND	0.8		ND	20		ND	0.8		ND	2		ND	2		ND	0.8		ND	0.8		ND	0.8	
1,1,1-Trichloroethane	71-55-6	200	UG/L	ND	0.8		ND	30		ND	0.8		ND	2		ND	2		ND	0.8		ND	0.8		ND	0.8	
1,1,2-Trichloroethane	79-00-5	5	UG/L	ND	0.8		ND	20		ND	0.8		ND	2		ND	2		ND	0.8		ND	0.8		ND	0.8	
Trichloroethylene (TCE)	79-01-6	5	UG/L	ND	1		ND	20		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
Trichlorofluoromethane	75-69-4	2000	UG/L	ND	2		ND	20		ND	2		ND	5		ND	5		ND	2		ND	2		ND	2	
tert-Butyl alcohol (TBA)	75-65-0	NS	UG/L	ND	10		ND	200		ND	10		ND	25		ND	25		ND	10		ND	10		ND	10	
Toluene	108-88-3	1000	UG/L	ND	0.7		ND	50		ND	0.7		700	18		670	2		ND	0.7		ND	0.7		ND	0.7	
Vinyl chloride	75-01-4	2	UG/L	ND	1		ND	10		ND	1		ND	3		ND	3		ND	1		ND	1		ND	1	
Xylenes (total)	1330-20-7	10000	UG/L	ND	0.8		ND	10		ND	0.8		3200	20		2800	20		ND	0.8		ND	0.8		ND	0.8	
VO TICs		NS	UG/L	ND			436			ND			2473			2297			639			ND			439		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-015 05-MET-015 08/15/05 0-15 1			05-MET-018 05-MET-018 08/16/05 0-16 1			05-MET-019 05-MET-019 08/12/05 0-10 1, 20			05-MET-022 05-MET-022 08/15/05 0-12 1			05-MET-023 05-MET-023 08/15/05 0-10 1			05-MET-026 05-MET-026 08/17/05 0-10 1			05-MET-027 05-MET-027 08/19/05 5-20 1, 10			05-MET-029 05-MET-029 08/18/05 0-15 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																											
Acrolein	107-02-8	0.12	UG/L	ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40	
Acrylonitrile	107-13-1	2.7	UG/L	ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4	
Benzene	71-43-2	5	UG/L	4	0.5	J	2	0.5	J	ND	0.5		0.6	0.5	J	ND	0.5		0.8	0.5	J	1	0.5	J	ND	0.5	
Bromodichloromethane	75-27-4	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Bromoform	75-25-2	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Bromomethane	74-83-9	10	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Carbon tetrachloride	56-23-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Chlorobenzene	108-90-7	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Chlorodibromomethane	124-48-1	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
2-chloroethyl Vinyl Ether	110-75-8	NS	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
Chloroethane	75-00-3	900	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Chloroform	67-66-3	100	UG/L	3	0.8	J	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Chloromethane	74-87-3	3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Ethylene Dibromide (EDB)	106-93-4	0.05	UG/L	ND	0.0091		ND	0.0099		ND	0.19		ND	0.0097		ND	0.0095		ND	0.0097		ND	0.0094		ND	0.0096	
1,1-Dichloroethane	75-34-3	110	UG/L	6	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		3	1	J
1,2-Dichloroethane	107-06-2	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
1,1-Dichloroethene	75-35-4	7	UG/L	5	0.8	J	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		3	0.8	J
cis-1,2-Dichloroethylene	156-59-2	70	UG/L	4	0.8	J	ND	0.8		ND	0.8		7	0.8		ND	0.8		ND	0.8		ND	0.8		4	0.8	J
trans-1,2-Dichloroethylene	156-60-5	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
1,2-Dichloropropane	78-87-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
cis-1,3-Dichloropropene	10061-01-5	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
trans-1,3-Dichloropropene	10061-02-6	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Ethylbenzene	100-41-4	700	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		8	0.8		ND	0.8	
Methyl tert-Butyl ether (MTBE)	1634-04-4	20	UG/L	1	0.5	J	ND	0.5		0.6	0.5	J	ND	0.5		ND	0.5		ND	0.5		ND	0.5		1	0.5	J
Methylene chloride	75-09-2	5	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
1,1,2,2-Tetrachloroethane	79-34-5	0.3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Tetrachloroethylene (PCE)	127-18-4	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		40	0.8	
1,1,1-Trichloroethane	71-55-6	200	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
1,1,2-Trichloroethane	79-00-5	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Trichloroethylene (TCE)	79-01-6	5	UG/L	2	1	J	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		7	1	
Trichlorofluoromethane	75-69-4	2000	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
tert-Butyl alcohol (TBA)	75-65-0	NS	UG/L	ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10	
Toluene	108-88-3	1000	UG/L	ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7		3	0.7	J	ND	0.7	
Vinyl chloride	75-01-4	2	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Xylenes (total)	1330-20-7	10000	UG/L	2	0.8	J	ND	0.8		ND	0.8		ND	0.8		ND	0.8		3	0.8	J	34	0.8		ND	0.8	
VO TICs		NS	UG/L	268			ND			283			417			ND			161			333			ND		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-030 05-MET-030 08/18/05 0-9 1			05-MET-031 05-MET-031 08/11/05 0-15 1			05-MET-032 05-MET-032 08/11/05 0-15 1, 10			05-MET-033 05-MET-033 08/11/05 0-12 1, 10			05-MET-034 05-MET-034 08/18/05 0-17 1, 20, 5			05-MET-035 05-MET-035 08/18/05 5-15 2, 20, 5			05-MET-036 05-MET-036 08/18/05 5-15 1, 10			05-MET-037 05-MET-037 08/19/05 0-15 1		
	CAS #	Non- Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																											
Acrolein	107-02-8	0.12	UG/L	ND	40		ND	40		ND	40		ND	40		ND	200		ND	200		ND	40		ND	40	
Acrylonitrile	107-13-1	2.7	UG/L	ND	4		ND	4		ND	4		ND	4		ND	20		ND	20		ND	4		ND	4	
Benzene	71-43-2	5	UG/L	ND	0.5		0.8	0.5	J	ND	0.5		ND	0.5		ND	3		4	3	J	ND	0.5		ND	0.5	
Bromodichloromethane	75-27-4	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
Bromoform	75-25-2	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
Bromomethane	74-83-9	10	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
Carbon tetrachloride	56-23-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
Chlorobenzene	108-90-7	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	4		ND	4		ND	0.8		ND	0.8	
Chlorodibromomethane	124-48-1	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
2-chloroethyl Vinyl Ether	110-75-8	NS	UG/L	ND	2		ND	2		ND	2		ND	2		ND	10		ND	10		ND	2		ND	2	
Chloroethane	75-00-3	900	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		5	5	J	ND	1		ND	1	
Chloroform	67-66-3	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	4		ND	4		ND	0.8		ND	0.8	
Chloromethane	74-87-3	3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		5	5	J	ND	1		ND	1	
Ethylene Dibromide (EDB)	106-93-4	0.05	UG/L	ND	0.0093		ND	0.0098		0.012	0.0098	J	ND	0.0097		ND	0.19		ND	0.19		ND	0.0094		ND	0.0096	
1,1-Dichloroethane	75-34-3	110	UG/L	ND	1		1	1	J	ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
1,2-Dichloroethane	107-06-2	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
1,1-Dichloroethene	75-35-4	7	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	4		ND	4		ND	0.8		ND	0.8	
cis-1,2-Dichloroethylene	156-59-2	70	UG/L	ND	0.8		ND	0.8		0.9	0.8	J	ND	0.8		ND	4		ND	4		ND	0.8		ND	0.8	
trans-1,2-Dichloroethylene	156-60-5	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	4		ND	4		ND	0.8		ND	0.8	
1,2-Dichloropropane	78-87-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
cis-1,3-Dichloropropene	10061-01-5	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
trans-1,3-Dichloropropene	10061-02-6	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
Ethylbenzene	100-41-4	700	UG/L	ND	0.8		ND	0.8		2	0.8	J	3	0.8	J	ND	4		14	4	J	ND	0.8		ND	0.8	
Methyl tert-Butyl ether (MTBE)	1634-04-4	20	UG/L	ND	0.5		2	0.5	J	ND	0.5		ND	0.5		ND	3		ND	3		ND	0.5		0.5	0.5	J
Methylene chloride	75-09-2	5	UG/L	ND	2		ND	2		ND	2		ND	2		ND	10		ND	10		ND	2		ND	2	
1,1,2,2-Tetrachloroethane	79-34-5	0.3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
Tetrachloroethylene (PCE)	127-18-4	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	4		ND	4		ND	0.8		ND	0.8	
1,1,1-Trichloroethane	71-55-6	200	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	4		ND	4		ND	0.8		ND	0.8	
1,1,2-Trichloroethane	79-00-5	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	4		ND	4		ND	0.8		ND	0.8	
Trichloroethylene (TCE)	79-01-6	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
Trichlorofluoromethane	75-69-4	2000	UG/L	ND	2		ND	2		ND	2		ND	2		ND	10		ND	10		ND	2		ND	2	
tert-Butyl alcohol (TBA)	75-65-0	NS	UG/L	ND	10		27	10	J	ND	10		ND	10		ND	50		ND	50		ND	10		ND	10	
Toluene	108-88-3	1000	UG/L	ND	0.7		ND	0.7		ND	0.7		0.7	0.7	J	ND	4		12	4	J	ND	0.7		ND	0.7	
Vinyl chloride	75-01-4	2	UG/L	ND	1		ND	1		ND	1		ND	1		ND	5		ND	5		ND	1		ND	1	
Xylenes (total)	1330-20-7	10000	UG/L	ND	0.8		ND	0.8		5	0.8	J	9	0.8		16	4	J	55	4		ND	0.8		ND	0.8	
VO TICs		NS	UG/L	185			ND			230			25			370			573			170			ND		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-039 05-MET-039 08/19/05 0-12 1			05-MET-040 05-MET-040 08/22/05 0-14 1			05-MET-042 05-MET-042 08/19/05 0-12 1			05-MET-044 05-MET-044 08/22/05 0-15 1, 10			05-MET-044 05-MET-044A 08/22/05 0-15 1			05-MET-045 05-MET-045 08/22/05 0-12 1			05-MET-047 05-MET-047 08/19/05 0-15 1			05-MET-048 05-MET-048 08/22/05 0-15 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																											
Acrolein	107-02-8	0.12	UG/L	ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40	
Acrylonitrile	107-13-1	2.7	UG/L	ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4	
Benzene	71-43-2	5	UG/L	ND	0.5		ND	0.5		ND	0.5		ND	0.5		ND	0.5		ND	0.5		ND	0.5		ND	0.5	
Bromodichloromethane	75-27-4	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Bromoform	75-25-2	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Bromomethane	74-83-9	10	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Carbon tetrachloride	56-23-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Chlorobenzene	108-90-7	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Chlorodibromomethane	124-48-1	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
2-chloroethyl Vinyl Ether	110-75-8	NS	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
Chloroethane	75-00-3	900	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Chloroform	67-66-3	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Chloromethane	74-87-3	3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Ethylene Dibromide (EDB)	106-93-4	0.05	UG/L	ND	0.0092		ND	0.0089		ND	0.0094		ND	0.0094		ND	0.0095		ND	0.0093		ND	0.0095		ND	0.0094	
1,1-Dichloroethane	75-34-3	110	UG/L	ND	1		ND	1		2	1	J	ND	1		ND	1		2	1	J	ND	1		ND	1	
1,2-Dichloroethane	107-06-2	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		2	1	J	ND	1		ND	1	
1,1-Dichloroethene	75-35-4	7	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
cis-1,2-Dichloroethylene	156-59-2	70	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
trans-1,2-Dichloroethylene	156-60-5	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
1,2-Dichloropropane	78-87-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
cis-1,3-Dichloropropene	10061-01-5	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
trans-1,3-Dichloropropene	10061-02-6	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Ethylbenzene	100-41-4	700	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Methyl tert-Butyl ether (MTBE)	1634-04-4	20	UG/L	ND	0.5		ND	0.5		1	0.5	J	3	0.5	J	2	0.5	J	1	0.5	J	ND	0.5		0.8	0.5	J
Methylene chloride	75-09-2	5	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
1,1,2,2-Tetrachloroethane	79-34-5	0.3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Tetrachloroethylene (PCE)	127-18-4	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
1,1,1-Trichloroethane	71-55-6	200	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
1,1,2-Trichloroethane	79-00-5	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		58	0.8		ND	0.8		ND	0.8	
Trichloroethylene (TCE)	79-01-6	5	UG/L	ND	1		14	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Trichlorofluoromethane	75-69-4	2000	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		5	2	J	ND	2		ND	2	
tert-Butyl alcohol (TBA)	75-65-0	NS	UG/L	ND	10		ND	10		ND	10		12	10	J	10	10	J	ND	10		ND	10		ND	10	
Toluene	108-88-3	1000	UG/L	ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7	
Vinyl chloride	75-01-4	2	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Xylenes (total)	1330-20-7	10000	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
VO TICs		NS	UG/L	14			ND			3			ND			ND			ND			ND			36		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-050 05-MET-050 08/22/05 0-15 1			05-MET-052 05-MET-052 08/23/05 0-15 1			05-MET-053 05-MET-053 08/23/05 0-15 1			05-MET-055 05-MET-055 08/23/05 0-15 1			05-MET-056 05-MET-056 08/23/05 0-16 1			05-MET-058 05-MET-058 08/16/05 1.5-16.5 1, 5			05-MET-059 05-MET-059 08/17/05 5-20 1			05-MET-062 05-MET-062 08/15/05 0-7 1, 10, 2.5, 25		
	CAS #	Non- Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																											
Acrolein	107-02-8	0.12	UG/L	ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	100	
Acrylonitrile	107-13-1	2.7	UG/L	ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	10	
Benzene	71-43-2	5	UG/L	ND	0.5		ND	0.5		ND	0.5		0.5	0.5	J	ND	0.5		1	0.5	J	60	0.5		51	1	
Bromodichloromethane	75-27-4	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
Bromoform	75-25-2	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
Bromomethane	74-83-9	10	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
Carbon tetrachloride	56-23-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
Chlorobenzene	108-90-7	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		24	2	
Chlorodibromomethane	124-48-1	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
2-chloroethyl Vinyl Ether	110-75-8	NS	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	5	
Chloroethane	75-00-3	900	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
Chloroform	67-66-3	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		2	0.8	J	ND	2	
Chloromethane	74-87-3	3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
Ethylene Dibromide (EDB)	106-93-4	0.05	UG/L	ND	0.0096		ND	0.0093		ND	0.0087		ND	0.0095		ND	0.0095		ND	0.01		ND	0.0097		ND	0.0097	
1,1-Dichloroethane	75-34-3	110	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		2	1	J	ND	1		19	3	
1,2-Dichloroethane	107-06-2	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
1,1-Dichloroethene	75-35-4	7	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		11	2	J
cis-1,2-Dichloroethylene	156-59-2	70	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		12	0.8		ND	0.8		200	2	
trans-1,2-Dichloroethylene	156-60-5	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		0.9	0.8	J	ND	0.8		ND	2	
1,2-Dichloropropane	78-87-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
cis-1,3-Dichloropropene	10061-01-5	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
trans-1,3-Dichloropropene	10061-02-6	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
Ethylbenzene	100-41-4	700	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		35	0.8		2	0.8	J	680	20	
Methyl tert-Butyl ether (MTBE)	1634-04-4	20	UG/L	ND	0.5		ND	0.5		0.8	0.5	J	ND	0.5		ND	0.5		ND	0.5		ND	0.5		ND	1	
Methylene chloride	75-09-2	5	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	5	
1,1,2,2-Tetrachloroethane	79-34-5	0.3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	3	
Tetrachloroethylene (PCE)	127-18-4	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		140	2	
1,1,1-Trichloroethane	71-55-6	200	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		7	2	J
1,1,2-Trichloroethane	79-00-5	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	2	
Trichloroethylene (TCE)	79-01-6	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		2	1	J	ND	1		340	3	
Trichlorofluoromethane	75-69-4	2000	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	5	
tert-Butyl alcohol (TBA)	75-65-0	NS	UG/L	ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	25	
Toluene	108-88-3	1000	UG/L	ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7		11	0.7		6	0.7		3800	18	
Vinyl chloride	75-01-4	2	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		3	1	J	ND	1		19	3	
Xylenes (total)	1330-20-7	10000	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		45	0.8		48	0.8		3000	20	
VO TICs		NS	UG/L	ND			ND			ND			ND			ND			156			552			2146		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-065 05-MET-065 08/15/05 0-17 1			05-MET-066 05-MET-066 08/16/05 5-15 1, 20, 5			05-MET-071 05-MET-071 08/22/05 2-12 1			05-MET-072 05-MET-072 08/22/05 0-10 1			05-MET-074 05-MET-074 08/22/05 5-15 1			05-MET-075 05-MET-075 08/22/05 2-12 1			05-MET-076 05-MET-076 08/17/05 0-12 1			05-MET-079 05-MET-079 08/17/05 0-12 1		
	CAS #	Non- Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																											
Acrolein	107-02-8	0.12	UG/L	ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40	
Acrylonitrile	107-13-1	2.7	UG/L	ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4	
Benzene	71-43-2	5	UG/L	2	0.5	J	0.8	0.5	J	ND	0.5		1	0.5	J	ND	1		ND	0.5		ND	0.5		0.6	0.5	J
Bromodichloromethane	75-27-4	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Bromoform	75-25-2	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Bromomethane	74-83-9	10	UG/L	ND	1		ND	1		ND	1		ND	1		54	1		ND	1		ND	1		ND	1	
Carbon tetrachloride	56-23-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	0.8		10	1		ND	1		5	1	J
Chlorobenzene	108-90-7	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	1		ND	0.8		ND	0.8		ND	0.8	
Chlorodibromomethane	124-48-1	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	2		ND	1		ND	1		ND	1	
2-chloroethyl Vinyl Ether	110-75-8	NS	UG/L	ND	2		ND	2		ND	2		ND	2		ND	1		ND	2		ND	2		ND	2	
Chloroethane	75-00-3	900	UG/L	ND	1		ND	1		ND	1		ND	1		12	0.8		ND	1		5	1	J	ND	1	
Chloroform	67-66-3	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	1		34	0.8		ND	0.8		33	0.8	
Chloromethane	74-87-3	3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	0.0096		ND	1		ND	1		ND	1	
Ethylene Dibromide (EDB)	106-93-4	0.05	UG/L	ND	0.0098		ND	0.2		ND	0.0096		ND	0.0096		1	1	J	ND	0.0095		ND	0.0086		ND	0.0095	
1,1-Dichloroethane	75-34-3	110	UG/L	ND	1		ND	1		ND	1		2	1	J	ND	1		1	1	J	ND	1		3	1	J
1,2-Dichloroethane	107-06-2	5	UG/L	ND	1		ND	1		ND	1		ND	1		3	0.8	J	ND	1		ND	1		ND	1	
1,1-Dichloroethene	75-35-4	7	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		1	0.8	J	ND	0.8		1	0.8	J
cis-1,2-Dichloroethylene	156-59-2	70	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
trans-1,2-Dichloroethylene	156-60-5	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	1		ND	0.8		ND	0.8		ND	0.8	
1,2-Dichloropropane	78-87-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
cis-1,3-Dichloropropene	10061-01-5	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
trans-1,3-Dichloropropene	10061-02-6	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	0.8		ND	1		ND	1		ND	1	
Ethylbenzene	100-41-4	700	UG/L	10	0.8		3	0.8	J	ND	0.8		5	0.8	J	0.9	0.5	J	ND	0.8		ND	0.8		1	0.8	J
Methyl tert-Butyl ether (MTBE)	1634-04-4	20	UG/L	2	0.5	J	1	0.5	J	ND	0.5		ND	0.5		ND	2		0.5	0.5	J	ND	0.5		ND	0.5	
Methylene chloride	75-09-2	5	UG/L	ND	2		ND	2		ND	2		ND	2		ND	1		ND	2		ND	2		ND	2	
1,1,2,2-Tetrachloroethane	79-34-5	0.3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	0.8		ND	1		ND	1		ND	1	
Tetrachloroethylene (PCE)	127-18-4	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		5	0.8		ND	0.8		ND	0.8		ND	0.8	
1,1,1-Trichloroethane	71-55-6	200	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		3	0.8	J	ND	0.8		1	0.8	J
1,1,2-Trichloroethane	79-00-5	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	1		ND	0.8		ND	0.8		ND	0.8	
Trichloroethylene (TCE)	79-01-6	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	2		ND	1		ND	1		ND	1	
Trichlorofluoromethane	75-69-4	2000	UG/L	ND	2		ND	2		ND	2		ND	2		ND	10		ND	2		ND	2		ND	2	
tert-Butyl alcohol (TBA)	75-65-0	NS	UG/L	ND	10		ND	10		ND	10		ND	10		ND	0.7		ND	10		ND	10		ND	10	
Toluene	108-88-3	1000	UG/L	3	0.7	J	ND	0.7		ND	0.7		0.8	0.7	J	ND	1		ND	0.7		ND	0.7		1	0.7	J
Vinyl chloride	75-01-4	2	UG/L	ND	1		ND	1		ND	1		ND	1		ND	0.8		ND	1		ND	1		ND	1	
Xylenes (total)	1330-20-7	10000	UG/L	23	0.8		36	0.8		ND	0.8		16	0.8		ND	10		10	0.8		ND	0.8		9	0.8	
VO TICs		NS	UG/L	290			1993			ND			159			ND			83			9			ND		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-079 05-MET-079A 08/17/05 0-12 1			05-MET-080 05-MET-080 08/17/05 0-12 1			05-MET-082 05-MET-082 08/12/05 0-10 1, 5			05-MET-084 05-MET-084 08/12/05 0-10 1			05-MET-086 05-MET-086 08/12/05 0-10 1			05-MET-087 05-MET-087 08/11/05 0-7 1			05-MET-089 05-MET-089 08/12/05 0-10 1			05-MET-090 05-MET-090 08/12/05 0-10 1		
	CAS #	Non-Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																											
Acrolein	107-02-8	0.12	UG/L	ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40	
Acrylonitrile	107-13-1	2.7	UG/L	ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4	
Benzene	71-43-2	5	UG/L	0.6	0.5	J	2	0.5	J	14	0.5		4	0.5	J	2	0.5	J	ND	0.5		0.5	0.5	J	ND	0.5	
Bromodichloromethane	75-27-4	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Bromoform	75-25-2	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Bromomethane	74-83-9	10	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Carbon tetrachloride	56-23-5	5	UG/L	5	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Chlorobenzene	108-90-7	100	UG/L	ND	0.8		ND	0.8		15	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Chlorodibromomethane	124-48-1	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
2-chloroethyl Vinyl Ether	110-75-8	NS	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
Chloroethane	75-00-3	900	UG/L	ND	1		ND	1		13	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Chloroform	67-66-3	100	UG/L	34	0.8		19	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Chloromethane	74-87-3	3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Ethylene Dibromide (EDB)	106-93-4	0.05	UG/L	ND	0.0097		ND	0.0094		ND	0.0093		0.17	0.0094		ND	0.0096		ND	0.0098		ND	0.0097		ND	0.0096	
1,1-Dichloroethane	75-34-3	110	UG/L	3	1	J	3	1	J	50	1		ND	1		ND	1		ND	1		ND	1		3	1	J
1,2-Dichloroethane	107-06-2	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
1,1-Dichloroethene	75-35-4	7	UG/L	1	0.8	J	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
cis-1,2-Dichloroethylene	156-59-2	70	UG/L	ND	0.8		ND	0.8		25	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		35	0.8	
trans-1,2-Dichloroethylene	156-60-5	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	J	1	0.8	
1,2-Dichloropropane	78-87-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
cis-1,3-Dichloropropene	10061-01-5	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
trans-1,3-Dichloropropene	10061-02-6	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Ethylbenzene	100-41-4	700	UG/L	2	0.8	J	ND	0.8		110	0.8		6	0.8		1	0.8	J	ND	0.8		ND	0.8	J	0.9	0.8	
Methyl tert-Butyl ether (MTBE)	1634-04-4	20	UG/L	ND	0.5		ND	0.5		0.6	0.5	J	0.9	0.5	J	0.6	0.5	J	0.7	0.5	J	ND	0.5		ND	0.5	
Methylene chloride	75-09-2	5	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
1,1,2,2-Tetrachloroethane	79-34-5	0.3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Tetrachloroethylene (PCE)	127-18-4	5	UG/L	ND	0.8		ND	0.8		4	0.8	J	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
1,1,1-Trichloroethane	71-55-6	200	UG/L	1	0.8	J	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
1,1,2-Trichloroethane	79-00-5	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Trichloroethylene (TCE)	79-01-6	5	UG/L	ND	1		ND	1		11	1		ND	1		ND	1		ND	1		ND	1	J	2	1	
Trichlorofluoromethane	75-69-4	2000	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
tert-Butyl alcohol (TBA)	75-65-0	NS	UG/L	ND	10		ND	10		53	10	J	31	10	J	ND	10		20	10	J	74	10	J	ND	10	
Toluene	108-88-3	1000	UG/L	2	0.7	J	ND	0.7		330	4		1	0.7	J	3	0.7	J	ND	0.7		ND	0.7		ND	0.7	
Vinyl chloride	75-01-4	2	UG/L	ND	1		ND	1		6	1		ND	1		ND	1		ND	1		25	1		12	1	
Xylenes (total)	1330-20-7	10000	UG/L	11	0.8		ND	0.8		410	0.8		7	0.8		16	0.8		ND	0.8		ND	0.8		ND	0.8	
VO TICs		NS	UG/L	ND			18			349			3561			232			ND			25			11		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-092 05-MET-092 08/09/05 3-13 1			05-MET-093 05-MET-093 08/11/05 2-12 1			05-MET-094 05-MET-094 08/11/05 0-7 1			05-MET-095 05-MET-095 08/10/05 3-13 1, 5			05-MET-096 05-MET-096 08/10/05 5-15 1			05-MET-098 05-MET-098 08/12/05 0-17 1			05-MET-099 05-MET-099 08/09/05 3-13 1			05-MET-101 05-MET-101 08/10/05 4-14 1, 20		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																											
Acrolein	107-02-8	0.12	UG/L	ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	800	
Acrylonitrile	107-13-1	2.7	UG/L	ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	80	
Benzene	71-43-2	5	UG/L	4	0.5	J	2	0.5	J	ND	0.5		ND	0.5		4	0.5	J	2	0.5	J	6	0.5		ND	10	
Bromodichloromethane	75-27-4	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	20	
Bromoform	75-25-2	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	20	
Bromomethane	74-83-9	10	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	20	
Carbon tetrachloride	56-23-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	20	
Chlorobenzene	108-90-7	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	16	
Chlorodibromomethane	124-48-1	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	20	
2-chloroethyl Vinyl Ether	110-75-8	NS	UG/L	**			ND	2		ND	2		**			**			ND	2		**			**		
Chloroethane	75-00-3	900	UG/L	ND	1		ND	1		3	1	J	ND	1		ND	1		ND	1		ND	1		ND	20	
Chloroform	67-66-3	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	16	
Chloromethane	74-87-3	3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	20	
Ethylene Dibromide (EDB)	106-93-4	0.05	UG/L	0.096	0.0098		ND	0.01		ND	0.0098		ND	0.0099		ND	0.01		ND	0.0097		ND	0.0097		ND	0.0096	
1,1-Dichloroethane	75-34-3	110	UG/L	3	1	J	3	1	J	2	1	J	ND	1		3	1	J	2	1	J	4	1	J	ND	20	
1,2-Dichloroethane	107-06-2	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	20	
1,1-Dichloroethene	75-35-4	7	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	16	
cis-1,2-Dichloroethylene	156-59-2	70	UG/L	13	0.8		7	0.8		ND	0.8		ND	0.8		31	0.8		ND	0.8		3	0.8	J	ND	16	
trans-1,2-Dichloroethylene	156-60-5	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	16	
1,2-Dichloropropane	78-87-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	20	
cis-1,3-Dichloropropene	10061-01-5	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	20	
trans-1,3-Dichloropropene	10061-02-6	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	20	
Ethylbenzene	100-41-4	700	UG/L	4	0.8	J	19	0.8		0.9	0.8	J	ND	0.8		7	0.8		ND	0.8		7	0.8		ND	16	
Methyl tert-Butyl ether (MTBE)	1634-04-4	20	UG/L	ND	0.5		ND	0.5		0.7	0.5	J	ND	0.5		3	0.5	J	3	0.5	J	ND	0.5		ND	10	
Methylene chloride	75-09-2	5	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	40	
1,1,2,2-Tetrachloroethane	79-34-5	0.3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	20	
Tetrachloroethylene (PCE)	127-18-4	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		1	0.8	J	ND	0.8		ND	0.8		ND	16	
1,1,1-Trichloroethane	71-55-6	200	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	16	
1,1,2-Trichloroethane	79-00-5	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	16	
Trichloroethylene (TCE)	79-01-6	5	UG/L	ND	1		1	1	J	ND	1		ND	1		2	1	J	ND	1		ND	1		ND	20	
Trichlorofluoromethane	75-69-4	2000	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	40	
tert-Butyl alcohol (TBA)	75-65-0	NS	UG/L	35	10	J	33	10	J	18	10	J	ND	10		38	10	J	20	10	J	100	10		ND	200	
Toluene	108-88-3	1000	UG/L	8	0.7		11	0.7		2	0.7	J	ND	0.7		28	0.7		1	0.7	J	4	0.7	J	ND	14	
Vinyl chloride	75-01-4	2	UG/L	ND	1		ND	1		ND	1		ND	1		8	1		ND	1		ND	1		ND	20	
Xylenes (total)	1330-20-7	10000	UG/L	5	0.8	J	27	0.8		3	0.8	J	ND	0.8		22	0.8		ND	0.8		22	0.8		ND	16	
VO TICs		NS	UG/L	813			1707			26			ND			4132			4317			164			ND		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-103 05-MET-103 08/11/05 0-19 1, 10, 5			05-MET-104 05-MET-104 08/11/05 0-16 1, 10			05-MET-105 05-MET-105 08/09/05 5-15 1, 5			05-MET-107 05-MET-107 08/10/05 0-10 1, 200			05-MET-107 05-MET-107A 08/10/05 0-10 1, 20			05-MET-110 05-MET-110 08/09/05 0.5-16 1			05-MET-111 05-MET-111 08/10/05 5-15 1, 10, 5			05-MET-114 05-MET-114 08/08/05 0-20 1, 25, 5		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																											
Acrolein	107-02-8	0.12	UG/L	ND	200		ND	400		ND	200		ND	40		ND	40		ND	40		ND	400		ND	200	
Acrylonitrile	107-13-1	2.7	UG/L	ND	20		ND	40		ND	20		ND	4		ND	4		ND	4		ND	40		ND	20	
Benzene	71-43-2	5	UG/L	5	3	J	ND	5		24	3	J	3	0.5	J	4	0.5	J	32	0.5		47	5	J	110	3	
Bromodichloromethane	75-27-4	100	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		ND	5	
Bromoform	75-25-2	100	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		ND	5	
Bromomethane	74-83-9	10	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		ND	5	
Carbon tetrachloride	56-23-5	5	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		ND	5	
Chlorobenzene	108-90-7	100	UG/L	ND	4		ND	8		12	4	J	ND	0.8		ND	0.8		45	0.8		10	8	J	68	4	
Chlorodibromomethane	124-48-1	100	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		ND	5	
2-chloroethyl Vinyl Ether	110-75-8	NS	UG/L	ND	10		ND	20		**			**			**			**			**			ND	10	
Chloroethane	75-00-3	900	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		1	1	J	ND	10		52	5	
Chloroform	67-66-3	100	UG/L	ND	4		ND	8		ND	4		ND	0.8		ND	0.8		ND	0.8		ND	8		ND	4	
Chloromethane	74-87-3	3	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		ND	5	
Ethylene Dibromide (EDB)	106-93-4	0.05	UG/L	ND	0.01		ND	0.01		ND	1.9		ND	0.19		ND	0.0098		ND	0.0098		ND	0.049		ND	0.0099	
1,1-Dichloroethane	75-34-3	110	UG/L	22	5	J	16	10	J	ND	5		6	1		6	1		ND	1		ND	10		77	5	
1,2-Dichloroethane	107-06-2	5	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		ND	5	
1,1-Dichloroethene	75-35-4	7	UG/L	ND	4		ND	8		ND	4		ND	0.8		ND	0.8		ND	0.8		ND	8		ND	4	
cis-1,2-Dichloroethylene	156-59-2	70	UG/L	ND	4		ND	8		ND	4		2	0.8	J	4	0.8	J	ND	0.8		ND	8		29	4	
trans-1,2-Dichloroethylene	156-60-5	100	UG/L	ND	4		ND	8		ND	4		ND	0.8		ND	0.8		0.9	0.8	J	ND	8		7	4	J
1,2-Dichloropropane	78-87-5	5	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		ND	5	
cis-1,3-Dichloropropene	10061-01-5	NS	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		ND	5	
trans-1,3-Dichloropropene	10061-02-6	NS	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		ND	5	
Ethylbenzene	100-41-4	700	UG/L	ND	4		22	8	J	10	4	J	1	0.8	J	1	0.8	J	4	0.8	J	110	8		340	4	
Methyl tert-Butyl ether (MTBE)	1634-04-4	20	UG/L	ND	3		ND	5		ND	3		ND	0.5		0.6	0.5	J	ND	0.5		ND	5		ND	3	
Methylene chloride	75-09-2	5	UG/L	ND	10		ND	20		ND	10		ND	2		ND	2		ND	2		ND	20		20	10	J
1,1,2,2-Tetrachloroethane	79-34-5	0.3	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		ND	5	
Tetrachloroethylene (PCE)	127-18-4	5	UG/L	ND	4		ND	8		ND	4		2	0.8	J	2	0.8	J	ND	0.8		ND	8		130	4	
1,1,1-Trichloroethane	71-55-6	200	UG/L	ND	4		ND	8		ND	4		ND	0.8		ND	0.8		ND	0.8		ND	8		ND	4	
1,1,2-Trichloroethane	79-00-5	5	UG/L	ND	4		ND	8		ND	4		ND	0.8		ND	0.8		ND	0.8		ND	8		ND	4	
Trichloroethylene (TCE)	79-01-6	5	UG/L	ND	5		ND	10		ND	5		6	1		8	1		ND	1		ND	10		280	5	
Trichlorofluoromethane	75-69-4	2000	UG/L	ND	10		ND	20		ND	10		ND	2		ND	2		ND	2		ND	20		ND	10	
tert-Butyl alcohol (TBA)	75-65-0	NS	UG/L	110	50	J	ND	100		77	50	J	170	10		160	10		23	10	J	ND	100		ND	50	
Toluene	108-88-3	1000	UG/L	10	4	J	11	7	J	17	4	J	4	0.7	J	6	0.7	J	2	0.7	J	240	7		1900	18	
Vinyl chloride	75-01-4	2	UG/L	ND	5		ND	10		ND	5		ND	1		ND	1		ND	1		ND	10		67	5	
Xylenes (total)	1330-20-7	10000	UG/L	4	4	J	86	8		260	4		3	0.8	J	4	0.8	J	81	0.8		350	8		1400	4	
VO TICs		NS	UG/L	10436			1511			240			4964			6232			353			3800			3017		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-115 05-MET-115 08/09/05 0-19 1, 10			05-MET-116 05-MET-116 08/10/05 0-16 1, 10			05-MET-119 05-MET-119 08/11/05 2-12 1			05-MET-121 05-MET-121 08/10/05 0-15 10, 20, 5			05-MET-122 05-MET-122 08/08/05 0-15 1			05-MET-123 05-MET-123 08/09/05 7-17 1, 5, 50			05-MET-124 05-MET-124 08/11/05 3-13 1, 10			05-MET-125 05-MET-125 08/10/05 0-16 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																											
Acrolein	107-02-8	0.12	UG/L	ND	400		ND	40		ND	40		ND	800		ND	40		ND	2000		ND	400		ND	40	
Acrylonitrile	107-13-1	2.7	UG/L	ND	40		ND	4		ND	4		ND	80		ND	4		ND	200		ND	40		ND	4	
Benzene	71-43-2	5	UG/L	67	5		0.7	0.5	J	4	0.5	J	ND	10		1	0.5	J	ND	25		ND	5		ND	0.5	
Bromodichloromethane	75-27-4	100	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
Bromoform	75-25-2	100	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
Bromomethane	74-83-9	10	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
Carbon tetrachloride	56-23-5	5	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
Chlorobenzene	108-90-7	100	UG/L	48	8	J	ND	0.8		ND	0.8		ND	16		ND	0.8		ND	40		ND	8		ND	0.8	
Chlorodibromomethane	124-48-1	100	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
2-chloroethyl Vinyl Ether	110-75-8	NS	UG/L	**			**			ND	2		**			ND	2		**			ND	20		**		
Chloroethane	75-00-3	900	UG/L	39	10	J	ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
Chloroform	67-66-3	100	UG/L	ND	8		ND	0.8		ND	0.8		ND	16		ND	0.8		ND	40		ND	8		ND	0.8	
Chloromethane	74-87-3	3	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
Ethylene Dibromide (EDB)	106-93-4	0.05	UG/L	ND	0.0095		ND	0.1		ND	0.0099		ND	0.099		ND	0.01		ND	0.0098		ND	0.0098		ND	0.0098	
1,1-Dichloroethane	75-34-3	110	UG/L	100	10		ND	1		2	1	J	ND	20		ND	1		ND	50		ND	10		ND	1	
1,2-Dichloroethane	107-06-2	5	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
1,1-Dichloroethene	75-35-4	7	UG/L	ND	8		ND	0.8		ND	0.8		ND	16		ND	0.8		ND	40		ND	8		ND	0.8	
cis-1,2-Dichloroethylene	156-59-2	70	UG/L	ND	8		ND	0.8		1	0.8	J	22	16	J	ND	0.8		ND	40		ND	8		ND	0.8	
trans-1,2-Dichloroethylene	156-60-5	100	UG/L	ND	8		ND	0.8		ND	0.8		ND	16		ND	0.8		ND	40		ND	8		ND	0.8	
1,2-Dichloropropane	78-87-5	5	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
cis-1,3-Dichloropropene	10061-01-5	NS	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
trans-1,3-Dichloropropene	10061-02-6	NS	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
Ethylbenzene	100-41-4	700	UG/L	370	8		ND	0.8		ND	0.8		ND	16		ND	0.8		ND	40		ND	8		ND	0.8	
Methyl tert-Butyl ether (MTBE)	1634-04-4	20	UG/L	ND	5		ND	0.5		ND	0.5		ND	10		ND	0.5		ND	25		ND	5		ND	0.5	
Methylene chloride	75-09-2	5	UG/L	ND	20		ND	2		ND	2		ND	40		ND	2		ND	100		ND	20		ND	2	
1,1,2,2-Tetrachloroethane	79-34-5	0.3	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
Tetrachloroethylene (PCE)	127-18-4	5	UG/L	ND	8		ND	0.8		ND	0.8		ND	16		ND	0.8		ND	40		ND	8		ND	0.8	
1,1,1-Trichloroethane	71-55-6	200	UG/L	ND	8		ND	0.8		ND	0.8		ND	16		ND	0.8		ND	40		ND	8		ND	0.8	
1,1,2-Trichloroethane	79-00-5	5	UG/L	ND	8		ND	0.8		ND	0.8		ND	16		ND	0.8		ND	40		ND	8		ND	0.8	
Trichloroethylene (TCE)	79-01-6	5	UG/L	ND	10		ND	1		ND	1		ND	20		ND	1		ND	50		ND	10		ND	1	
Trichlorofluoromethane	75-69-4	2000	UG/L	ND	20		ND	2		ND	2		ND	40		ND	2		ND	100		ND	20		ND	2	
tert-Butyl alcohol (TBA)	75-65-0	NS	UG/L	ND	100		98	10		97	10		ND	200		ND	10		ND	500		200	100	J	21	10	J
Toluene	108-88-3	1000	UG/L	330	7		2	0.7	J	3	0.7	J	ND	14		0.8	0.7	J	ND	35		ND	7		ND	0.7	
Vinyl chloride	75-01-4	2	UG/L	23	10	J	ND	1		ND	1		25	20	J	ND	1		ND	50		ND	10		ND	1	
Xylenes (total)	1330-20-7	10000	UG/L	570	8		0.8	0.8	J	ND	0.8		ND	16		ND	0.8		ND	40		ND	8		ND	0.8	
VO TICs		NS	UG/L	327			ND			3604			15000			124			300						130		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-126 05-MET-126 08/10/05 0.5-15.5 1			05-MET-128 05-MET-128 08/22/05 5-15 1			05-MET-129 05-MET-129 08/22/05 2-12 1			05-MET-130 05-MET-130 08/17/05 0-15 1			05-MET-132 05-MET-132 08/16/05 0-16 1			05-MET-133 05-MET-133 08/23/05 0-15 1			05-MET-134 05-MET-134 08/23/05 10-20 1			05-MET-135 05-MET-135 08/23/05 1-21 1					
	CAS #	Non-Residential	Units	Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier								
VOs																														
Acrolein	107-02-8	0.12	UG/L	ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40		ND	40				
Acrylonitrile	107-13-1	2.7	UG/L	ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4		ND	4				
Benzene	71-43-2	5	UG/L	ND	0.5		ND	0.5		ND	0.5		ND	0.5		ND	0.5		ND	0.5		ND	0.5		ND	0.5				
Bromodichloromethane	75-27-4	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1				
Bromoform	75-25-2	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1				
Bromomethane	74-83-9	10	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1				
Carbon tetrachloride	56-23-5	5	UG/L	ND	1		ND	1		200	1		ND	1		ND	1		ND	1		ND	1		ND	1		4	1	J
Chlorobenzene	108-90-7	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Chlorodibromomethane	124-48-1	100	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
2-chloroethyl Vinyl Ether	110-75-8	NS	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
Chloroethane	75-00-3	900	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Chloroform	67-66-3	100	UG/L	ND	0.8		ND	0.8		45	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		15	0.8	
Chloromethane	74-87-3	3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Ethylene Dibromide (EDB)	106-93-4	0.05	UG/L	ND	0.0097		ND	0.0096		ND	0.0096		ND	0.0091		ND	0.012		ND	0.0097		ND	0.0095		ND	0.0095		ND	0.0095	
1,1-Dichloroethane	75-34-3	110	UG/L	ND	1		ND	1		4	1	J	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
1,2-Dichloroethane	107-06-2	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
1,1-Dichloroethene	75-35-4	7	UG/L	ND	0.8		ND	0.8		12	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		2	0.8	J
cis-1,2-Dichloroethylene	156-59-2	70	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
trans-1,2-Dichloroethylene	156-60-5	100	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
1,2-Dichloropropane	78-87-5	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
cis-1,3-Dichloropropene	10061-01-5	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
trans-1,3-Dichloropropene	10061-02-6	NS	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Ethylbenzene	100-41-4	700	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Methyl tert-Butyl ether (MTBE)	1634-04-4	20	UG/L	ND	0.5		0.5	0.5	J	2	0.5	J	ND	0.5		ND	0.5		ND	0.5		ND	0.5		0.6	0.5	J	ND	0.5	
Methylene chloride	75-09-2	5	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
1,1,2,2-Tetrachloroethane	79-34-5	0.3	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Tetrachloroethylene (PCE)	127-18-4	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
1,1,1-Trichloroethane	71-55-6	200	UG/L	ND	0.8		ND	0.8		19	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		3	0.8	J
1,1,2-Trichloroethane	79-00-5	5	UG/L	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
Trichloroethylene (TCE)	79-01-6	5	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Trichlorofluoromethane	75-69-4	2000	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
tert-Butyl alcohol (TBA)	75-65-0	NS	UG/L	ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10	
Toluene	108-88-3	1000	UG/L	ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7		ND	0.7	
Vinyl chloride	75-01-4	2	UG/L	ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1		ND	1	
Xylenes (total)	1330-20-7	10000	UG/L	2	0.8	J	ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8		ND	0.8	
VO TICs		NS	UG/L	7			ND			7			ND			ND			ND			ND			ND			ND		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-002 05-MET-002 08/17/05 0-12 1			05-MET-004 05-MET-004 08/16/05 0-16 1			05-MET-006 05-MET-006 08/16/05 0-12 1			05-MET-007 05-MET-007 08/15/05 0-10 1			05-MET-007 05-MET-007A 08/15/05 0-10 1			05-MET-009 05-MET-009 08/15/05 0-15 1, 2			05-MET-011 05-MET-011 08/16/05 0-12 1			05-MET-014 05-MET-014 08/15/05 0-10 1, 10		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																											
Acenaphthene	83-32-9	3800	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		89	10		ND	10		330	10	
Acenaphthylene	208-96-8	6100	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
Anthracene	120-12-7	66	UG/L	ND	0.9		ND	10		ND	10		3	0.9	J	3	1	J	370	10		ND	10		760	10	
Benzidine	92-87-5	0.011	UG/L	ND	19		ND	200		ND	200		ND	19		ND	19		ND	200		ND	200		ND	200	
Benzo(a)anthracene	56-55-3	3.6	UG/L	ND	0.9		ND	10		ND	10		6	0.9		8	1		780	10		ND	10		2800	100	
Benzo(a)pyrene	50-32-8	0.2	UG/L	ND	0.9		ND	10		ND	10		7	0.9		9	1		270	10		ND	10		3200	100	
Benzo(b)fluoranthene	205-99-2	1.2	UG/L	ND	0.9		ND	10		ND	10		4	0.9	J	5	1	J	110	10		ND	10		1200	10	
Benzo(g,h,i)perylene	191-24-2	0.26	UG/L	ND	0.9		ND	10		ND	10		8	0.9		10	1		120	10		ND	10		3400	100	
Benzo(k)fluoranthene	207-08-9	0.55	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		24	10	J	ND	10		300	10	
Butyl benzyl phthalate	85-68-7	2700	UG/L	ND	2		ND	20		ND	20		ND	2		ND	2		ND	20		ND	20		ND	20	
bis(2-Chloroethoxy) methane	111-91-1	NS	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
bis(2-Chloroethyl) ether	111-44-4	0.55	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
bis(2-Chloroisopropyl) ether	108-60-1	300	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
bis(2-Ethylhexyl) phthalate	117-81-7	6	UG/L	ND	2		ND	20		ND	20		ND	2		ND	2		ND	20		ND	20		ND	20	
4-Bromophenyl phenyl ether	101-55-3	NS	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
4-Chloro-3-methylphenol	59-50-7	510	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
2-Chloronaphthalene	91-58-7	8200	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
2-Chlorophenol	95-57-8	40	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
4-Chlorophenyl phenyl ether	7005-72-3	NS	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
Chrysene	218-01-9	1.9	UG/L	ND	0.9		ND	10		ND	10		8	0.9		10	1		710	10		ND	10		2300	100	
Dibenzo(a,h)anthracene	53-70-3	0.36	UG/L	ND	0.9		ND	10		ND	10		4	0.9	J	4	1	J	110	10		ND	10		1300	100	
1,2-Dichlorobenzene	95-50-1	600	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
1,3-Dichlorobenzene	541-73-1	600	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
1,4-Dichlorobenzene	106-46-7	75	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
2,4-Dichlorophenol	120-83-2	20	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
3,3'-Dichlorobenzidine	91-94-1	5.8	UG/L	ND	2		ND	20		ND	20		ND	2		ND	2		ND	20		ND	20		ND	20	
Diethyl phthalate	84-66-2	5000	UG/L	ND	2		ND	20		ND	20		ND	2		ND	2		ND	20		ND	20		ND	20	
2,4-Dimethylphenol	105-67-9	2000	UG/L	ND	3		ND	30		ND	30		5	3	J	4	3	J	ND	30		ND	30		ND	30	
Dimethyl phthalate	131-11-3	NS	UG/L	ND	2		ND	20		ND	20		ND	2		ND	2		ND	20		ND	20		ND	20	
Di-n-butyl phthalate	84-74-2	10000	UG/L	ND	2		ND	20		ND	20		ND	2		ND	2		ND	20		ND	20		ND	20	
Di-n-octylphthalate	117-84-0	2000	UG/L	ND	2		ND	20		ND	20		ND	2		ND	2		ND	20		ND	20		ND	20	
2,4-Dinitrophenol	51-28-5	41	UG/L	ND	19		ND	200		ND	200		ND	19		ND	19		ND	200		ND	200		ND	200	
4,6-Dinitro-2-methylphenol	534-52-1	NS	UG/L	ND	5		ND	50		ND	50		ND	5		ND	5		ND	50		ND	50		ND	50	
2,4-Dinitrotoluene	121-14-2	8.4	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
2,6-Dinitrotoluene	606-20-2	100	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
1,4-Dioxane	123-91-1	24	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
1,2-Diphenylhydrazine	122-66-7	3.3	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
Fluoranthene	206-44-0	260	UG/L	ND	0.9		ND	10		ND	10		6	0.9		6	1		230	10		ND	10		350	10	
Fluorene	86-73-7	1900	UG/L	ND	0.9		ND	10		ND	10		4	0.9	J	3	1	J	72	10		ND	10		240	10	
Hexachlorobenzene	118-74-1	1	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
Hexachlorobutadiene	87-68-3	1	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
Hexachlorocyclopentadiene	77-47-4	50	UG/L	ND	5		ND	50		ND	50		ND	5		ND	5		ND	50		ND	50		ND	50	
Hexachloroethane	67-72-1	1	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
Indeno(1,2,3-c,d)pyrene	193-39-5	3.6	UG/L	ND	0.9		ND	10		ND	10		2	0.9	J	3	1	J	64	10		ND	10		960	10	
Isophorone	78-59-1	100	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
1-Methylnaphthalene	90-12-0	NS	UG/L	ND	0.9		ND	10		ND	10		5	0.9		4	1	J	37	10	J	ND	10		540	10	
Naphthalene	91-20-3	100	UG/L	ND	0.9		ND	10		ND	10		86	0.9		66	1		ND	10		ND	10		ND	10	
N-Nitrosodimethylamine	62-75-9	0.013	UG/L	ND	2		ND	20		ND	20		ND	2		ND	2		ND	20		ND	20		ND	20	
4-Nitrophenol	100-02-7	60	UG/L	ND	9		ND	100		ND	100		ND	9		ND	10		ND	100		ND	100		ND	100	
Nitrobenzene	98-95-3	51	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
2-Nitrophenol	88-75-5	820	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
n-Nitrosodi-n-propylamine	621-64-7	0.37	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
N-Nitrosodiphenylamine	86-30-6	530	UG/L	ND	2		ND	20		ND	20		ND	2		ND	2		ND	20		ND	20		ND	20	
Pentachlorophenol	87-86-5	1	UG/L	ND	3		ND	30		ND	30		4	3	J	3	3	J	ND	30		ND	30		ND	30	
Phenanthrene	85-01-8	1100	UG/L	ND	0.9		ND	10		ND	10		21	0.9		18	1		230	10		ND	10		940	10	
Phenol	108-95-2	4000	UG/L	ND	0.9		ND	10		ND	10		13	0.9		9	1		ND	10		ND	10		ND	10	
Pyrene	129-00-0	130	UG/L	ND	0.9		ND	10		ND	10		16	0.9		16	1		1200	20		ND	10		2400	100	
2,4,6-Trichlorophenol	88-06-2	31	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
1,2,4-Trichlorobenzene	120-82-1	70	UG/L	ND	0.9		ND	10		ND	10		ND	0.9		ND	1		ND	10		ND	10		ND	10	
SVO TICs		NS	UG/L	8			ND			99			851			696			17850			45			18850		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-015 05-MET-015 08/15/05 0-15 1			05-MET-018 05-MET-018 08/16/05 0-16 1			05-MET-019 05-MET-019 08/16/05 0-10 1			05-MET-022 05-MET-022 08/15/05 0-12 1			05-MET-026 05-MET-026 08/17/05 0-10 1			05-MET-027 05-MET-027 08/19/05 5-20 10			05-MET-029 05-MET-029 08/18/05 0-15 1			05-MET-030 05-MET-030 08/18/05 0-9 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>BNs</b>																											
Acenaphthene	83-32-9	3800	UG/L	11	10	J	ND	10		ND	10		2	1	J	4	0.9	J	170	100	J	ND	10		29	10	J
Acenaphthylene	208-96-8	6100	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
Anthracene	120-12-7	66	UG/L	31	10	J	ND	10		35	10	J	3	1	J	3	0.9	J	480	100	J	ND	10		40	10	J
Benzidine	92-87-5	0.011	UG/L	ND	200		ND	200		ND	200		ND	19		ND	19		ND	2000		ND	200		ND	200	
Benzo(a)anthracene	56-55-3	3.6	UG/L	49	10	J	ND	10		67	10		2	1	J	9	0.9		1800	100		14	10	J	200	10	
Benzo(a)pyrene	50-32-8	0.2	UG/L	28	10	J	ND	10		91	10		ND	1		8	0.9		320	100	J	19	10	J	49	10	J
Benzo(b)fluoranthene	205-99-2	1.2	UG/L	18	10	J	ND	10		40	10	J	ND	1		4	0.9	J	340	100	J	24	10	J	48	10	J
Benzo(g,h,i)perylene	191-24-2	0.26	UG/L	25	10	J	ND	10		150	10		ND	1		8	0.9		ND	100		23	10	J	18	10	J
Benzo(k)fluoranthene	207-08-9	0.55	UG/L	ND	10		ND	10		14	10	J	ND	1		ND	0.9		ND	100		ND	10		13	10	J
Butyl benzyl phthalate	85-68-7	2700	UG/L	ND	20		ND	20		ND	20		ND	2		ND	2		ND	200		ND	20		ND	20	
bis(2-Chloroethoxy) methane	111-91-1	NS	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
bis(2-Chloroethyl) ether	111-44-4	0.55	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
bis(2-Chloroisopropyl) ether	108-60-1	300	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
bis(2-Ethylhexyl) phthalate	117-81-7	6	UG/L	ND	20		ND	20		77	20		ND	2		ND	2		ND	200		ND	20		ND	20	
4-Bromophenyl phenyl ether	101-55-3	NS	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
4-Chloro-3-methylphenol	59-50-7	510	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
2-Chloronaphthalene	91-58-7	8200	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
2-Chlorophenol	95-57-8	40	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
4-Chlorophenyl phenyl ether	7005-72-3	NS	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
Chrysene	218-01-9	1.9	UG/L	53	10		ND	10		77	10		2	1	J	12	0.9		2100	100		17	10	J	230	10	
Dibenzo(a,h)anthracene	53-70-3	0.36	UG/L	14	10	J	ND	10		70	10		ND	1		3	0.9	J	220	100	J	ND	10		28	10	J
1,2-Dichlorobenzene	95-50-1	600	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
1,3-Dichlorobenzene	541-73-1	600	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
1,4-Dichlorobenzene	106-46-7	75	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
2,4-Dichlorophenol	120-83-2	20	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
3,3'-Dichlorobenzidine	91-94-1	5.8	UG/L	ND	20		ND	20		ND	20		ND	2		ND	2		ND	200		ND	20		ND	20	
Diethyl phthalate	84-66-2	5000	UG/L	ND	20		ND	20		ND	20		9	2		ND	2		ND	200		ND	20		ND	20	
2,4-Dimethylphenol	105-67-9	2000	UG/L	ND	30		ND	30		ND	30		ND	3		21	3		ND	300		ND	30		ND	30	
Dimethyl phthalate	131-11-3	NS	UG/L	ND	20		ND	20		ND	20		ND	2		ND	2		ND	200		ND	20		ND	20	
Di-n-butyl phthalate	84-74-2	10000	UG/L	ND	20		ND	20		ND	20		ND	2		ND	2		ND	200		ND	20		ND	20	
Di-n-octylphthalate	117-84-0	2000	UG/L	ND	20		ND	20		ND	20		ND	2		ND	2		ND	200		ND	20		ND	20	
2,4-Dinitrophenol	51-28-5	41	UG/L	ND	200		ND	200		ND	200		ND	19		ND	19		ND	2000		ND	200		ND	200	
4,6-Dinitro-2-methylphenol	534-52-1	NS	UG/L	ND	50		ND	50		ND	50		ND	5		ND	5		ND	500		ND	50		ND	50	
2,4-Dinitrotoluene	121-14-2	8.4	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
2,6-Dinitrotoluene	606-20-2	100	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
1,4-Dioxane	123-91-1	24	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
1,2-Diphenylhydrazine	122-66-7	3.3	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
Fluoranthene	206-44-0	260	UG/L	18	10	J	10	10	J	20	10	J	ND	1		2	0.9	J	380	100	J	22	10	J	43	10	J
Fluorene	86-73-7	1900	UG/L	13	10	J	ND	10		10	10	J	2	1	J	4	0.9	J	140	100	J	ND	10		29	10	J
Hexachlorobenzene	118-74-1	1	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
Hexachlorobutadiene	87-68-3	1	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
Hexachlorocyclopentadiene	77-47-4	50	UG/L	ND	50		ND	50		ND	50		ND	5		ND	5		ND	500		ND	50		ND	50	
Hexachloroethane	67-72-1	1	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
Indeno(1,2,3-c,d)pyrene	193-39-5	3.6	UG/L	12	10	J	ND	10		59	10		ND	1		3	0.9	J	ND	100		13	10	J	16	10	J
Isophorone	78-59-1	100	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
1-Methylnaphthalene	90-12-0	NS	UG/L	14	10	J	ND	10		12	10	J	ND	1		14	0.9		470	100	J	ND	10		ND	10	
Naphthalene	91-20-3	100	UG/L	ND	10		ND	10		ND	10		ND	1		2	0.9	J	100	100	J	ND	10		ND	10	
N-Nitrosodimethylamine	62-75-9	0.013	UG/L	ND	20		ND	20		ND	20		ND	2		ND	2		ND	200		ND	20		ND	20	
4-Nitrophenol	100-02-7	60	UG/L	ND	100		ND	100		ND	100		ND	10		ND	9		ND	1000		ND	100		ND	100	
Nitrobenzene	98-95-3	51	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
2-Nitrophenol	88-75-5	820	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
n-Nitrosodi-n-propylamine	621-64-7	0.37	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
N-Nitrosodiphenylamine	86-30-6	530	UG/L	ND	20		ND	20		ND	20		ND	2		ND	2		ND	200		ND	20		97	20	
Pentachlorophenol	87-86-5	1	UG/L	ND	30		ND	30		ND	30		ND	3		ND	3		ND	300		ND	30		ND	30	
Phenanthrene	85-01-8	1100	UG/L	67	10		ND	10		55	10		ND	1		14	0.9		1000	100		14	10	J	ND	10	
Phenol	108-95-2	4000	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
Pyrene	129-00-0	130	UG/L	68	10		11	10	J	96	10		4	1	J	14	0.9		1400	100		20	10	J	230	10	
2,4,6-Trichlorophenol	88-06-2	31	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
1,2,4-Trichlorobenzene	120-82-1	70	UG/L	ND	10		ND	10		ND	10		ND	1		ND	0.9		ND	100		ND	10		ND	10	
SVO TICs		NS	UG/L	5230			53			4286			1018			650			721600			927			15950		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-031 05-MET-031 08/11/05 0-15 1			05-MET-032 05-MET-032 08/11/05 0-15 10			05-MET-033 05-MET-033 08/11/05 0-12 10			05-MET-034 05-MET-034 08/18/05 0-17 1, 2			05-MET-035 05-MET-035 08/18/05 5-15 2			05-MET-036 05-MET-036 08/18/05 5-15 10			05-MET-037 05-MET-037 08/19/05 0-15 1			05-MET-039 05-MET-039 08/19/05 0-12 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>BNs</b>																											
Acenaphthene	83-32-9	3800	UG/L	18	10	J	ND	200		ND	200		200	50	J	31	20	J	ND	100		ND	10		ND	10	
Acenaphthylene	208-96-8	6100	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
Anthracene	120-12-7	66	UG/L	39	10	J	260	200	J	ND	200		560	50		160	20		ND	100		ND	10		ND	10	
Benzidine	92-87-5	0.011	UG/L	ND	200		ND	4000		ND	4000		ND	1000		ND	400		ND	2000		ND	200		ND	200	
Benzo(a)anthracene	56-55-3	3.6	UG/L	110	10		800	200	J	640	200	J	3900	50		1100	20		3200	100		ND	10		ND	10	
Benzo(a)pyrene	50-32-8	0.2	UG/L	64	10		380	200	J	270	200	J	1700	50		580	20		620	100		ND	10		ND	10	
Benzo(b)fluoranthene	205-99-2	1.2	UG/L	27	10	J	360	200	J	280	200	J	1500	50		410	20		630	100		ND	10		11	10	J
Benzo(g,h,i)perylene	191-24-2	0.26	UG/L	40	10	J	230	200	J	390	200	J	1300	50		410	20		270	100	J	ND	10		ND	10	
Benzo(k)fluoranthene	207-08-9	0.55	UG/L	ND	10		ND	200		ND	200		310	50		110	20		180	100	J	ND	10		ND	10	
Butyl benzyl phthalate	85-68-7	2700	UG/L	ND	20		ND	400		ND	400		ND	100		ND	40		ND	200		ND	20		ND	20	
bis(2-Chloroethoxy) methane	111-91-1	NS	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
bis(2-Chloroethyl) ether	111-44-4	0.55	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
bis(2-Chloroisopropyl) ether	108-60-1	300	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
bis(2-Ethylhexyl) phthalate	117-81-7	6	UG/L	47	20	J	4600	400		ND	400		ND	100		ND	40		ND	200		ND	20		ND	20	
4-Bromophenyl phenyl ether	101-55-3	NS	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
4-Chloro-3-methylphenol	59-50-7	510	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
2-Chloronaphthalene	91-58-7	8200	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
2-Chlorophenol	95-57-8	40	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
4-Chlorophenyl phenyl ether	7005-72-3	NS	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
Chrysene	218-01-9	1.9	UG/L	130	10		790	200	J	1000	200		6400	100		1600	20		1200	100		ND	10		11	10	J
Dibenzo(a,h)anthracene	53-70-3	0.36	UG/L	22	10	J	ND	200		210	200	J	1100	50		300	20		290	100	J	ND	10		ND	10	
1,2-Dichlorobenzene	95-50-1	600	UG/L	ND	10		220	200	J	ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
1,3-Dichlorobenzene	541-73-1	600	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
1,4-Dichlorobenzene	106-46-7	75	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
2,4-Dichlorophenol	120-83-2	20	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
3,3'-Dichlorobenzidine	91-94-1	5.8	UG/L	ND	20		ND	400		ND	400		ND	100		ND	40		ND	200		ND	20		ND	20	
Diethyl phthalate	84-66-2	5000	UG/L	ND	20		ND	400		ND	400		ND	100		ND	40		ND	200		ND	20		ND	20	
2,4-Dimethylphenol	105-67-9	2000	UG/L	ND	30		ND	600		ND	600		ND	150		ND	60		ND	300		ND	30		ND	30	
Dimethyl phthalate	131-11-3	NS	UG/L	ND	20		ND	400		ND	400		ND	100		ND	40		ND	200		ND	20		ND	20	
Di-n-butyl phthalate	84-74-2	10000	UG/L	ND	20		ND	400		ND	400		ND	100		ND	40		ND	200		ND	20		ND	20	
Di-n-octylphthalate	117-84-0	2000	UG/L	ND	20		ND	400		ND	400		ND	100		ND	40		ND	200		ND	20		ND	20	
2,4-Dinitrophenol	51-28-5	41	UG/L	ND	200		ND	4000		ND	4000		ND	1000		ND	400		ND	2000		ND	200		ND	200	
4,6-Dinitro-2-methylphenol	534-52-1	NS	UG/L	ND	50		ND	1000		ND	1000		ND	250		ND	100		ND	500		ND	50		ND	50	
2,4-Dinitrotoluene	121-14-2	8.4	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
2,6-Dinitrotoluene	606-20-2	100	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
1,4-Dioxane	123-91-1	24	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
1,2-Diphenylhydrazine	122-66-7	3.3	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
Fluoranthene	206-44-0	260	UG/L	19	10	J	280	200	J	ND	200		930	50		170	20		500	100		ND	10		17	10	J
Fluorene	86-73-7	1900	UG/L	18	10	J	230	200	J	ND	200		220	50	J	37	20	J	ND	100		ND	10		ND	10	
Hexachlorobenzene	118-74-1	1	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
Hexachlorobutadiene	87-68-3	1	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
Hexachlorocyclopentadiene	77-47-4	50	UG/L	ND	50		ND	1000		ND	1000		ND	250		ND	100		ND	500		ND	50		ND	50	
Hexachloroethane	67-72-1	1	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
Indeno(1,2,3-c,d)pyrene	193-39-5	3.6	UG/L	ND	10		ND	200		ND	200		550	50		140	20		190	100	J	ND	10		ND	10	
Isophorone	78-59-1	100	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
1-Methylnaphthalene	90-12-0	NS	UG/L	10	10	J	ND	200		ND	200		300	50		85	20	J	ND	100		ND	10		ND	10	
Naphthalene	91-20-3	100	UG/L	ND	10		ND	200		ND	200		220	50	J	77	20	J	ND	100		ND	10		ND	10	
N-Nitrosodimethylamine	62-75-9	0.013	UG/L	ND	20		ND	400		ND	400		ND	100		ND	40		ND	200		ND	20		ND	20	
4-Nitrophenol	100-02-7	60	UG/L	ND	100		ND	2000		ND	2000		ND	500		ND	200		ND	1000		ND	100		ND	100	
Nitrobenzene	98-95-3	51	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
2-Nitrophenol	88-75-5	820	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
n-Nitrosodi-n-propylamine	621-64-7	0.37	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
N-Nitrosodiphenylamine	86-30-6	530	UG/L	60	20		ND	400		ND	400		ND	100		ND	40		ND	200		ND	20		ND	20	
Pentachlorophenol	87-86-5	1	UG/L	ND	30		ND	600		ND	600		ND	150		ND	60		ND	300		ND	30		ND	30	
Phenanthrene	85-01-8	1100	UG/L	14	10	J	ND	200		300	200	J	2100	50		370	20		ND	100		ND	10		11	10	J
Phenol	108-95-2	4000	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
Pyrene	129-00-0	130	UG/L	160	10		830	200	J	890	200	J	3600	50		890	20		2300	100		ND	10		15	10	J
2,4,6-Trichlorophenol	88-06-2	31	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
1,2,4-Trichlorobenzene	120-82-1	70	UG/L	ND	10		ND	200		ND	200		ND	50		ND	20		ND	100		ND	10		ND	10	
SVO TICs		NS	UG/L	7760			158900			150200			186900			198800			49510			ND			1391		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-040 05-MET-040 08/22/05 0-14 1			05-MET-042 05-MET-042 08/19/05 0-12 1			05-MET-044 05-MET-044 08/22/05 0-15 10			05-MET-044 05-MET-044A 08/22/05 0-15 1			05-MET-045 05-MET-045 08/22/05 0-12 1			05-MET-047 05-MET-047 08/19/05 0-15 1			05-MET-048 05-MET-048 08/22/05 0-15 1			05-MET-050 05-MET-050 08/22/05 0-15 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>BNs</b>																											
Acenaphthene	83-32-9	3800	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
Acenaphthylene	208-96-8	6100	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
Anthracene	120-12-7	66	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
Benzidine	92-87-5	0.011	UG/L	ND	200		ND	200		ND	2000		ND	200		ND	200		ND	200		ND	200		ND	200	
Benzo(a)anthracene	56-55-3	3.6	UG/L	33	10	J	ND	10		ND	100		ND	10		ND	10		ND	10		56	10		ND	10	
Benzo(a)pyrene	50-32-8	0.2	UG/L	27	10	J	ND	10		ND	100		ND	10		ND	10		ND	10		50	10	J	ND	10	
Benzo(b)fluoranthene	205-99-2	1.2	UG/L	27	10	J	ND	10		ND	100		ND	10		ND	10		ND	10		86	10		ND	10	
Benzo(g,h,i)perylene	191-24-2	0.26	UG/L	20	10	J	ND	10		ND	100		ND	10		ND	10		11	10	J	46	10	J	ND	10	
Benzo(k)fluoranthene	207-08-9	0.55	UG/L	10	10	J	ND	10		ND	100		ND	10		ND	10		ND	10		31	10	J	ND	10	
Butyl benzyl phthalate	85-68-7	2700	UG/L	ND	20		ND	20		ND	200		ND	20		ND	20		ND	20		ND	20		ND	20	
bis(2-Chloroethoxy) methane	111-91-1	NS	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
bis(2-Chloroethyl) ether	111-44-4	0.55	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
bis(2-Chloroisopropyl) ether	108-60-1	300	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
bis(2-Ethylhexyl) phthalate	117-81-7	6	UG/L	ND	20		ND	20		ND	200		ND	20		ND	20		ND	20		ND	20		ND	20	
4-Bromophenyl phenyl ether	101-55-3	NS	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
4-Chloro-3-methylphenol	59-50-7	510	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
2-Chloronaphthalene	91-58-7	8200	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
2-Chlorophenol	95-57-8	40	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
4-Chlorophenyl phenyl ether	7005-72-3	NS	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
Chrysene	218-01-9	1.9	UG/L	38	10	J	ND	10		ND	100		ND	10		ND	10		ND	10		74	10		ND	10	
Dibenzo(a,h)anthracene	53-70-3	0.36	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		24	10	J	ND	10	
1,2-Dichlorobenzene	95-50-1	600	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
1,3-Dichlorobenzene	541-73-1	600	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
1,4-Dichlorobenzene	106-46-7	75	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		18	10	J	ND	10	
2,4-Dichlorophenol	120-83-2	20	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
3,3'-Dichlorobenzidine	91-94-1	5.8	UG/L	ND	20		ND	20		ND	200		ND	20		ND	20		ND	20		ND	20		ND	20	
Diethyl phthalate	84-66-2	5000	UG/L	ND	20		ND	20		ND	200		ND	20		ND	20		ND	20		ND	20		ND	20	
2,4-Dimethylphenol	105-67-9	2000	UG/L	ND	30		ND	30		ND	300		ND	30		ND	30		ND	30		ND	30		ND	30	
Dimethyl phthalate	131-11-3	NS	UG/L	ND	20		ND	20		ND	200		ND	20		ND	20		ND	20		ND	20		ND	20	
Di-n-butyl phthalate	84-74-2	10000	UG/L	ND	20		ND	20		ND	200		ND	20		ND	20		ND	20		ND	20		ND	20	
Di-n-octylphthalate	117-84-0	2000	UG/L	ND	20		ND	20		ND	200		ND	20		ND	20		ND	20		ND	20		ND	20	
2,4-Dinitrophenol	51-28-5	41	UG/L	ND	200		ND	200		ND	2000		ND	200		ND	200		ND	200		ND	200		ND	200	
4,6-Dinitro-2-methylphenol	534-52-1	NS	UG/L	ND	50		ND	50		ND	500		ND	50		ND	50		ND	50		ND	50		ND	50	
2,4-Dinitrotoluene	121-14-2	8.4	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
2,6-Dinitrotoluene	606-20-2	100	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
1,4-Dioxane	123-91-1	24	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
1,2-Diphenylhydrazine	122-66-7	3.3	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
Fluoranthene	206-44-0	260	UG/L	36	10	J	ND	10		ND	100		ND	10		12	10	J	15	10	J	120	10		ND	10	
Fluorene	86-73-7	1900	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		11	10	J	ND	10	
Hexachlorobenzene	118-74-1	1	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
Hexachlorobutadiene	87-68-3	1	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
Hexachlorocyclopentadiene	77-47-4	50	UG/L	ND	50		ND	50		ND	500		ND	50		ND	50		ND	50		ND	50		ND	50	
Hexachloroethane	67-72-1	1	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
Indeno(1,2,3-c,d)pyrene	193-39-5	3.6	UG/L	17	10	J	ND	10		ND	100		ND	10		ND	10		ND	10		40	10	J	ND	10	
Isophorone	78-59-1	100	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
1-Methylnaphthalene	90-12-0	NS	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
Naphthalene	91-20-3	100	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
N-Nitrosodimethylamine	62-75-9	0.013	UG/L	ND	20		ND	20		ND	200		ND	20		ND	20		ND	20		ND	20		ND	20	
4-Nitrophenol	100-02-7	60	UG/L	ND	100		ND	100		ND	1000		ND	100		ND	100		ND	100		ND	100		ND	100	
Nitrobenzene	98-95-3	51	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
2-Nitrophenol	88-75-5	820	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
n-Nitrosodi-n-propylamine	621-64-7	0.37	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
N-Nitrosodiphenylamine	86-30-6	530	UG/L	ND	20		ND	20		ND	200		ND	20		ND	20		ND	20		ND	20		ND	20	
Pentachlorophenol	87-86-5	1	UG/L	ND	30		ND	30		ND	300		ND	30		ND	30		ND	30		ND	30		ND	30	
Phenanthrene	85-01-8	1100	UG/L	24	10	J	ND	10		ND	100		ND	10		ND	10		ND	10		62	10		ND	10	
Phenol	108-95-2	4000	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
Pyrene	129-00-0	130	UG/L	40	10	J	ND	10		ND	100		ND	10		11	10	J	24	10	J	88	10		ND	10	
2,4,6-Trichlorophenol	88-06-2	31	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		ND	10		ND	10	
1,2,4-Trichlorobenzene	120-82-1	70	UG/L	ND	10		ND	10		ND	100		ND	10		ND	10		ND	10		16	10	J	ND	10	
SVO TICs		NS	UG/L	2203			47			ND			202			17216			41			1529			6662		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-052 05-MET-052 08/23/05 0-15 1			05-MET-053 05-MET-053 08/23/05 0-15 1			05-MET-055 05-MET-055 08/23/05 0-15 1			05-MET-056 05-MET-056 08/23/05 0-16 1			05-MET-058 05-MET-058 08/16/05 1.5-16.5 5			05-MET-059 05-MET-059 08/17/05 5-20 1, 5			05-MET-062 05-MET-062 08/15/05 0-7 10			05-MET-065 05-MET-065 08/15/05 0-17 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																											
Acenaphthene	83-32-9	3800	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		580	20		190	100	J	14	10	J
Acenaphthylene	208-96-8	6100	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		100	20		ND	100		ND	10	
Anthracene	120-12-7	66	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		1700	20		320	100	J	32	10	J
Benzidine	92-87-5	0.011	UG/L	ND	200		ND	200		ND	200		ND	200		ND	1000		ND	400		ND	2000		ND	200	
Benzo(a)anthracene	56-55-3	3.6	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		3800	100		280	100	J	97	10	
Benzo(a)pyrene	50-32-8	0.2	UG/L	ND	10		11	10	J	ND	10		ND	10		ND	50		2100	20		120	100	J	50	10	J
Benzo(b)fluoranthene	205-99-2	1.2	UG/L	ND	10		13	10	J	ND	10		ND	10		ND	50		880	20		170	100	J	27	10	J
Benzo(g,h,i)perylene	191-24-2	0.26	UG/L	ND	10		12	10	J	ND	10		ND	10		130	50	J	2000	20		ND	100		21	10	J
Benzo(k)fluoranthene	207-08-9	0.55	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
Butyl benzyl phthalate	85-68-7	2700	UG/L	ND	20		ND	20		ND	20		ND	20		ND	100		ND	40		ND	200		ND	20	
bis(2-Chloroethoxy) methane	111-91-1	NS	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
bis(2-Chloroethyl) ether	111-44-4	0.55	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
bis(2-Chloroisopropyl) ether	108-60-1	300	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
bis(2-Ethylhexyl) phthalate	117-81-7	6	UG/L	ND	20		ND	20		ND	20		ND	20		ND	100		ND	40		ND	200		ND	20	
4-Bromophenyl phenyl ether	101-55-3	NS	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
4-Chloro-3-methylphenol	59-50-7	510	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
2-Chloronaphthalene	91-58-7	8200	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		28	20	J	ND	100		ND	10	
2-Chlorophenol	95-57-8	40	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
4-Chlorophenyl phenyl ether	7005-72-3	NS	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
Chrysene	218-01-9	1.9	UG/L	ND	10		17	10	J	ND	10		ND	10		ND	50		3800	100		380	100	J	120	10	
Dibenzo(a,h)anthracene	53-70-3	0.36	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		710	20		ND	100		23	10	J
1,2-Dichlorobenzene	95-50-1	600	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		1300	100		ND	10	
1,3-Dichlorobenzene	541-73-1	600	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
1,4-Dichlorobenzene	106-46-7	75	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		160	100	J	ND	10	
2,4-Dichlorophenol	120-83-2	20	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
3,3'-Dichlorobenzidine	91-94-1	5.8	UG/L	ND	20		ND	20		ND	20		ND	20		ND	100		ND	40		ND	200		ND	20	
Diethyl phthalate	84-66-2	5000	UG/L	ND	20		ND	20		ND	20		ND	20		ND	100		ND	40		ND	200		ND	20	
2,4-Dimethylphenol	105-67-9	2000	UG/L	ND	30		ND	30		ND	30		ND	30		ND	150		ND	60		680	300	J	ND	30	
Dimethyl phthalate	131-11-3	NS	UG/L	ND	20		ND	20		ND	20		ND	20		ND	100		ND	40		ND	200		ND	20	
Di-n-butyl phthalate	84-74-2	10000	UG/L	ND	20		ND	20		ND	20		ND	20		ND	100		ND	40		ND	200		ND	20	
Di-n-octylphthalate	117-84-0	2000	UG/L	ND	20		ND	20		ND	20		ND	20		ND	100		ND	40		ND	200		ND	20	
2,4-Dinitrophenol	51-28-5	41	UG/L	ND	200		ND	200		ND	200		ND	200		ND	1000		ND	400		ND	2000		ND	200	
4,6-Dinitro-2-methylphenol	534-52-1	NS	UG/L	ND	50		ND	50		ND	50		ND	50		ND	250		ND	100		ND	500		ND	50	
2,4-Dinitrotoluene	121-14-2	8.4	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
2,6-Dinitrotoluene	606-20-2	100	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
1,4-Dioxane	123-91-1	24	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
1,2-Diphenylhydrazine	122-66-7	3.3	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
Fluoranthene	206-44-0	260	UG/L	10	10	J	20	10	J	ND	10		ND	10		ND	50		290	20		550	100		15	10	J
Fluorene	86-73-7	1900	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		480	20		330	100	J	12	10	J
Hexachlorobenzene	118-74-1	1	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
Hexachlorobutadiene	87-68-3	1	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
Hexachlorocyclopentadiene	77-47-4	50	UG/L	ND	50		ND	50		ND	50		ND	50		ND	250		ND	100		ND	500		ND	50	
Hexachloroethane	67-72-1	1	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
Indeno(1,2,3-c,d)pyrene	193-39-5	3.6	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		990	20		ND	100		11	10	J
Isophorone	78-59-1	100	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		530	100		ND	10	
1-Methylnaphthalene	90-12-0	NS	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		2000	20		910	100		40	10	J
Naphthalene	91-20-3	100	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		230	20		3600	100		18	10	J
N-Nitrosodimethylamine	62-75-9	0.013	UG/L	ND	20		ND	20		ND	20		ND	20		ND	100		ND	40		ND	200		ND	20	
4-Nitrophenol	100-02-7	60	UG/L	ND	100		ND	100		ND	100		ND	100		ND	500		ND	200		ND	1000		ND	100	
Nitrobenzene	98-95-3	51	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
2-Nitrophenol	88-75-5	820	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
n-Nitrosodi-n-propylamine	621-64-7	0.37	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
N-Nitrosodiphenylamine	86-30-6	530	UG/L	ND	20		ND	20		ND	20		ND	20		ND	100		ND	40		ND	200		ND	20	
Pentachlorophenol	87-86-5	1	UG/L	ND	30		ND	30		ND	30		ND	30		ND	150		ND	60		ND	300		ND	30	
Phenanthrene	85-01-8	1100	UG/L	ND	10		18	10	J	ND	10		ND	10		ND	50		3300	100		1100	100		69	10	
Phenol	108-95-2	4000	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		3800	100		ND	10	
Pyrene	129-00-0	130	UG/L	ND	10		20	10	J	ND	10		ND	10		ND	50		4100	100		740	100		98	10	
2,4,6-Trichlorophenol	88-06-2	31	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		ND	100		ND	10	
1,2,4-Trichlorobenzene	120-82-1	70	UG/L	ND	10		ND	10		ND	10		ND	10		ND	50		ND	20		910	100		ND	10	
SVO TICs		NS	UG/L	135			2190			ND			50			84810			42460			163200			12340		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-066 05-MET-066 08/16/05 5-15 5			05-MET-071 05-MET-071 08/22/05 2-12 1			05-MET-072 05-MET-072 08/22/05 0-10 1			05-MET-074 05-MET-074 08/22/05 5-15 1			05-MET-075 05-MET-075 08/22/05 2-12 1			05-MET-079 05-MET-079 08/17/05 0-12 1			05-MET-079 05-MET-079A 08/17/05 0-12 1			05-MET-080 05-MET-080 08/17/05 0-12 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>BNs</b>																											
Acenaphthene	83-32-9	3800	UG/L	370	100	J	ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
Acenaphthylene	208-96-8	6100	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
Anthracene	120-12-7	66	UG/L	1100	100		ND	1		26	10	J	ND	10		17	10	J	ND	1		ND	1		ND	1	
Benzidine	92-87-5	0.011	UG/L	ND	2000		ND	19		ND	200		ND	200		ND	200		ND	19		ND	19		ND	19	
Benzo(a)anthracene	56-55-3	3.6	UG/L	4000	100		3	1	J	96	10		ND	10		53	10		ND	1		1	1	J	2	1	J
Benzo(a)pyrene	50-32-8	0.2	UG/L	1800	100		3	1	J	86	10		ND	10		37	10	J	ND	1		3	1	J	2	1	J
Benzo(b)fluoranthene	205-99-2	1.2	UG/L	1000	100		4	1	J	130	10		ND	10		57	10		ND	1		1	1	J	1	1	J
Benzo(g,h,i)perylene	191-24-2	0.26	UG/L	810	100		2	1	J	60	10		ND	10		29	10	J	ND	1		5	1	J	2	1	J
Benzo(k)fluoranthene	207-08-9	0.55	UG/L	340	100	J	1	1	J	40	10	J	ND	10		23	10	J	ND	1		ND	1		ND	1	
Butyl benzyl phthalate	85-68-7	2700	UG/L	ND	200		ND	2		ND	20		ND	20		ND	20		ND	2		ND	2		ND	2	
bis(2-Chloroethoxy) methane	111-91-1	NS	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
bis(2-Chloroethyl) ether	111-44-4	0.55	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
bis(2-Chloroisopropyl) ether	108-60-1	300	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
bis(2-Ethylhexyl) phthalate	117-81-7	6	UG/L	ND	200		2	2	J	46	20	J	ND	20		21	20	J	6	2		26	2		6	2	
4-Bromophenyl phenyl ether	101-55-3	NS	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
4-Chloro-3-methylphenol	59-50-7	510	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
2-Chloronaphthalene	91-58-7	8200	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
2-Chlorophenol	95-57-8	40	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
4-Chlorophenyl phenyl ether	7005-72-3	NS	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
Chrysene	218-01-9	1.9	UG/L	5200	100		3	1	J	95	10		ND	10		56	10		ND	1		1	1	J	2	1	J
Dibenzo(a,h)anthracene	53-70-3	0.36	UG/L	590	100		ND	1		23	10	J	ND	10		11	10	J	ND	1		ND	1		1	1	J
1,2-Dichlorobenzene	95-50-1	600	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
1,3-Dichlorobenzene	541-73-1	600	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
1,4-Dichlorobenzene	106-46-7	75	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		1	1	J	ND	1	
2,4-Dichlorophenol	120-83-2	20	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
3,3'-Dichlorobenzidine	91-94-1	5.8	UG/L	ND	200		ND	2		ND	20		ND	20		ND	20		ND	2		ND	2		ND	2	
Diethyl phthalate	84-66-2	5000	UG/L	ND	200		ND	2		ND	20		ND	20		ND	20		ND	2		ND	2		ND	2	
2,4-Dimethylphenol	105-67-9	2000	UG/L	ND	300		ND	3		ND	30		ND	30		ND	30		ND	3		ND	3		ND	3	
Dimethyl phthalate	131-11-3	NS	UG/L	ND	200		ND	2		ND	20		ND	20		ND	20		ND	2		ND	2		ND	2	
Di-n-butyl phthalate	84-74-2	10000	UG/L	ND	200		ND	2		ND	20		ND	20		ND	20		ND	2		ND	2		ND	2	
Di-n-octylphthalate	117-84-0	2000	UG/L	ND	200		ND	2		ND	20		ND	20		ND	20		ND	2		ND	2		ND	2	
2,4-Dinitrophenol	51-28-5	41	UG/L	ND	2000		ND	19		ND	200		ND	200		ND	200		ND	19		ND	19		ND	19	
4,6-Dinitro-2-methylphenol	534-52-1	NS	UG/L	ND	500		ND	5		ND	50		ND	50		ND	50		ND	5		ND	5		ND	5	
2,4-Dinitrotoluene	121-14-2	8.4	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
2,6-Dinitrotoluene	606-20-2	100	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
1,4-Dioxane	123-91-1	24	UG/L	ND	100		2	1	J	ND	10		ND	10		ND	10		1	1	J	1	1	J	4	1	J
1,2-Diphenylhydrazine	122-66-7	3.3	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
Fluoranthene	206-44-0	260	UG/L	960	100		5	1		190	10		ND	10		91	10		ND	1		ND	1		ND	1	
Fluorene	86-73-7	1900	UG/L	320	100	J	ND	1		11	10	J	ND	10		ND	10		ND	1		ND	1		ND	1	
Hexachlorobenzene	118-74-1	1	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
Hexachlorobutadiene	87-68-3	1	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
Hexachlorocyclopentadiene	77-47-4	50	UG/L	ND	500		ND	5		ND	50		ND	50		ND	50		ND	5		ND	5		ND	5	
Hexachloroethane	67-72-1	1	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
Indeno(1,2,3-c,d)pyrene	193-39-5	3.6	UG/L	440	100	J	2	1	J	56	10		ND	10		24	10	J	ND	1		2	1	J	ND	1	
Isophorone	78-59-1	100	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
1-Methylnaphthalene	90-12-0	NS	UG/L	420	100	J	ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		1	1	J
Naphthalene	91-20-3	100	UG/L	ND	100		ND	1		19	10	J	ND	10		ND	10		ND	1		ND	1		ND	1	
N-Nitrosodimethylamine	62-75-9	0.013	UG/L	ND	200		ND	2		ND	20		ND	20		ND	20		ND	2		ND	2		ND	2	
4-Nitrophenol	100-02-7	60	UG/L	ND	1000		ND	10		ND	100		ND	100		ND	100		ND	10		ND	10		ND	10	
Nitrobenzene	98-95-3	51	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
2-Nitrophenol	88-75-5	820	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
n-Nitrosodi-n-propylamine	621-64-7	0.37	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
N-Nitrosodiphenylamine	86-30-6	530	UG/L	ND	200		ND	2		ND	20		ND	20		ND	20		ND	2		ND	2		ND	2	
Pentachlorophenol	87-86-5	1	UG/L	ND	300		ND	3		ND	30		ND	30		ND	30		ND	3		ND	3		ND	3	
Phenanthrene	85-01-8	1100	UG/L	1700	100		3	1	J	120	10		ND	10		68	10		ND	1		ND	1		1	1	J
Phenol	108-95-2	4000	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
Pyrene	129-00-0	130	UG/L	4700	100		4	1	J	150	10		ND	10		80	10		ND	1		2	1	J	2	1	J
2,4,6-Trichlorophenol	88-06-2	31	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
1,2,4-Trichlorobenzene	120-82-1	70	UG/L	ND	100		ND	1		ND	10		ND	10		ND	10		ND	1		ND	1		ND	1	
SVO TICs		NS	UG/L	932000			67			5353			ND			367			209			699			857		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-082 05-MET-082 08/12/05 0-10 1			05-MET-084 05-MET-084 08/12/05 0-10 1			05-MET-086 05-MET-086 08/12/05 0-10 1			05-MET-087 05-MET-087 08/11/05 0-7 1			05-MET-089 05-MET-089 08/12/05 0-10 1			05-MET-090 05-MET-090 08/12/05 0-10 1			05-MET-092 05-MET-092 08/09/05 3-13 1			05-MET-093 05-MET-093 08/11/05 2-12 1		
	CAS #	Non-Residential	Units	Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier		
<b>BNs</b>																											
Acenaphthene	83-32-9	3800	UG/L	2	1	J	ND	1		11	10	J	3	2	J	ND	1		ND	0.9		3	1	J	3	2	J
Acenaphthylene	208-96-8	6100	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
Anthracene	120-12-7	66	UG/L	2	1	J	ND	1		17	10	J	ND	2		ND	1		ND	0.9		3	1	J	5	2	J
Benzidine	92-87-5	0.011	UG/L	ND	20		ND	19		ND	200		ND	40		ND	20		ND	19		ND	19		ND	40	
Benzo(a)anthracene	56-55-3	3.6	UG/L	1	1	J	ND	1		56	10		3	2	J	1	1	J	ND	0.9		4	1	J	13	2	
Benzo(a)pyrene	50-32-8	0.2	UG/L	1	1	J	ND	1		89	10		3	2	J	ND	1		ND	0.9		3	1	J	11	2	
Benzo(b)fluoranthene	205-99-2	1.2	UG/L	2	1	J	ND	1		48	10	J	4	2	J	ND	1		ND	0.9		5	1		16	2	
Benzo(g,h,i)perylene	191-24-2	0.26	UG/L	1	1	J	1	1	J	110	10		4	2	J	1	1	J	ND	0.9		2	1	J	7	2	J
Benzo(k)fluoranthene	207-08-9	0.55	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		2	1	J	6	2	J
Butyl benzyl phthalate	85-68-7	2700	UG/L	ND	2		ND	2		ND	20		ND	4		ND	2		ND	2		ND	2		ND	4	
bis(2-Chloroethoxy) methane	111-91-1	NS	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
bis(2-Chloroethyl) ether	111-44-4	0.55	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
bis(2-Chloroisopropyl) ether	108-60-1	300	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
bis(2-Ethylhexyl) phthalate	117-81-7	6	UG/L	9	2		7	2		180	20		ND	4		7	2		ND	2		14	2		26	4	
4-Bromophenyl phenyl ether	101-55-3	NS	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
4-Chloro-3-methylphenol	59-50-7	510	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
2-Chloronaphthalene	91-58-7	8200	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
2-Chlorophenol	95-57-8	40	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
4-Chlorophenyl phenyl ether	7005-72-3	NS	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
Chrysene	218-01-9	1.9	UG/L	2	1	J	ND	1		71	10		3	2	J	2	1	J	ND	0.9		3	1	J	13	2	
Dibenzo(a,h)anthracene	53-70-3	0.36	UG/L	ND	1		ND	1		45	10	J	ND	2		ND	1		ND	0.9		ND	1		3	2	J
1,2-Dichlorobenzene	95-50-1	600	UG/L	12	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		4	2	J
1,3-Dichlorobenzene	541-73-1	600	UG/L	1	1	J	ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
1,4-Dichlorobenzene	106-46-7	75	UG/L	3	1	J	ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
2,4-Dichlorophenol	120-83-2	20	UG/L	3	1	J	ND	1		ND	10		ND	2		ND	1		ND	0.9		2	1	J	ND	2	
3,3'-Dichlorobenzidine	91-94-1	5.8	UG/L	ND	2		ND	2		ND	20		ND	4		ND	2		ND	2		ND	2		ND	4	
Diethyl phthalate	84-66-2	5000	UG/L	4	2	J	ND	2		ND	20		ND	4		ND	2		ND	2		ND	2		ND	4	
2,4-Dimethylphenol	105-67-9	2000	UG/L	33	3		ND	3		ND	30		ND	6		ND	3		ND	3		16	3		11	6	J
Dimethyl phthalate	131-11-3	NS	UG/L	ND	2		ND	2		ND	20		ND	4		ND	2		ND	2		ND	2		ND	4	
Di-n-butyl phthalate	84-74-2	10000	UG/L	ND	2		ND	2		ND	20		ND	4		ND	2		ND	2		ND	2		ND	4	
Di-n-octylphthalate	117-84-0	2000	UG/L	ND	2		ND	2		ND	20		ND	4		ND	2		ND	2		ND	2		ND	4	
2,4-Dinitrophenol	51-28-5	41	UG/L	ND	20		ND	19		ND	200		ND	40		ND	20		ND	19		ND	19		ND	40	
4,6-Dinitro-2-methylphenol	534-52-1	NS	UG/L	ND	5		ND	5		ND	50		ND	10		ND	5		ND	5		ND	5		ND	10	
2,4-Dinitrotoluene	121-14-2	8.4	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
2,6-Dinitrotoluene	606-20-2	100	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
1,4-Dioxane	123-91-1	24	UG/L	8	1		8	1		ND	10		13	2		14	1		2	0.9	J	9	1		10	2	
1,2-Diphenylhydrazine	122-66-7	3.3	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
Fluoranthene	206-44-0	260	UG/L	3	1	J	ND	1		33	10	J	5	2	J	ND	1		ND	0.9		6	1		17	2	
Fluorene	86-73-7	1900	UG/L	2	1	J	ND	1		18	10	J	2	2	J	ND	1		ND	0.9		4	1	J	5	2	J
Hexachlorobenzene	118-74-1	1	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
Hexachlorobutadiene	87-68-3	1	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
Hexachlorocyclopentadiene	77-47-4	50	UG/L	ND	5		ND	5		ND	50		ND	10		ND	5		ND	5		ND	5		ND	10	
Hexachloroethane	67-72-1	1	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
Indeno(1,2,3-c,d)pyrene	193-39-5	3.6	UG/L	ND	1		ND	1		33	10	J	ND	2		ND	1		ND	0.9		2	1	J	7	2	J
Isophorone	78-59-1	100	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		2	1	J	ND	2	
1-Methylnaphthalene	90-12-0	NS	UG/L	5	1	J	ND	1		21	10	J	ND	2		ND	1		ND	0.9		1	1	J	3	2	J
Naphthalene	91-20-3	100	UG/L	24	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		2	1	J	4	2	J
N-Nitrosodimethylamine	62-75-9	0.013	UG/L	ND	2		ND	2		ND	20		ND	4		ND	2		ND	2		ND	2		ND	4	
4-Nitrophenol	100-02-7	60	UG/L	ND	10		ND	10		ND	100		ND	20		ND	10		ND	9		ND	10		ND	20	
Nitrobenzene	98-95-3	51	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
2-Nitrophenol	88-75-5	820	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
n-Nitrosodi-n-propylamine	621-64-7	0.37	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
N-Nitrosodiphenylamine	86-30-6	530	UG/L	5	2		ND	2		ND	20		ND	4		ND	2		ND	2		ND	2		ND	4	
Pentachlorophenol	87-86-5	1	UG/L	3	3	J	ND	3		ND	30		ND	6		ND	3		ND	3		65	3		ND	6	
Phenanthrene	85-01-8	1100	UG/L	4	1	J	ND	1		59	10		2	2	J	ND	1		ND	0.9		6	1		12	2	
Phenol	108-95-2	4000	UG/L	34	1		3	1	J	ND	10		2	2	J	ND	1		ND	0.9		39	1		3	2	J
Pyrene	129-00-0	130	UG/L	3	1	J	1	1	J	67	10		3	2	J	2	1	J	ND	0.9		8	1		17	2	
2,4,6-Trichlorophenol	88-06-2	31	UG/L	ND	1		ND	1		ND	10		ND	2		ND	1		ND	0.9		2	1	J	ND	2	
1,2,4-Trichlorobenzene	120-82-1	70	UG/L	1	1	J	ND	1		ND	10		ND	2		ND	1		ND	0.9		ND	1		ND	2	
SVO TICs		NS	UG/L	1446			31224			2867			475			854			543			3433			1735		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-094 05-MET-094 08/11/05 0-7 1			05-MET-095 05-MET-095 08/10/05 3-13 5			05-MET-096 05-MET-096 08/10/05 5-15 1			05-MET-098 05-MET-098 08/12/05 0-17 1			05-MET-099 05-MET-099 08/09/05 3-13 1			05-MET-101 05-MET-101 08/10/05 4-14 1			05-MET-103 05-MET-103 08/11/05 0-19 10			05-MET-104 05-MET-104 08/11/05 0-16 1		
	CAS #	Non-Residential	Units	Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier			Detection Limit Qualifier		
<b>BNs</b>																											
Acenaphthene	83-32-9	3800	UG/L	11	2		150	50	J	ND	50		ND	10		ND	5		35	10	J	ND	200		44	20	J
Acenaphthylene	208-96-8	6100	UG/L	ND	2		120	50	J	ND	50		ND	10		ND	5		11	10	J	ND	200		ND	20	
Anthracene	120-12-7	66	UG/L	3	2	J	280	50		ND	50		ND	10		8	5	J	67	10		ND	200		52	20	J
Benzidine	92-87-5	0.011	UG/L	ND	40		ND	1000		ND	1000		ND	200		ND	110		ND	200		ND	4000		ND	400	
Benzo(a)anthracene	56-55-3	3.6	UG/L	6	2	J	910	50		260	50		29	10	J	18	5	J	77	10		230	200	J	340	20	
Benzo(a)pyrene	50-32-8	0.2	UG/L	4	2	J	680	50		400	50		52	10		13	5	J	120	10		260	200	J	530	20	
Benzo(b)fluoranthene	205-99-2	1.2	UG/L	7	2	J	990	50		240	50	J	34	10	J	18	5	J	130	10		ND	200		290	20	
Benzo(g,h,i)perylene	191-24-2	0.26	UG/L	4	2	J	500	50		630	50		110	10		9	5	J	190	10		230	200	J	650	20	
Benzo(k)fluoranthene	207-08-9	0.55	UG/L	4	2	J	530	50	J	59	50	J	ND	10		8	5	J	58	10		ND	200		ND	20	
Butyl benzyl phthalate	85-68-7	2700	UG/L	ND	4		ND	100		ND	100		ND	20		ND	11		ND	20		ND	400		ND	40	
bis(2-Chloroethoxy) methane	111-91-1	NS	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
bis(2-Chloroethyl) ether	111-44-4	0.55	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
bis(2-Chloroisopropyl) ether	108-60-1	300	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
bis(2-Ethylhexyl) phthalate	117-81-7	6	UG/L	ND	4		370	100		640	100		490	20		91	11		300	20		ND	400		200	40	
4-Bromophenyl phenyl ether	101-55-3	NS	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
4-Chloro-3-methylphenol	59-50-7	510	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
2-Chloronaphthalene	91-58-7	8200	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
2-Chlorophenol	95-57-8	40	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
4-Chlorophenyl phenyl ether	7005-72-3	NS	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
Chrysene	218-01-9	1.9	UG/L	4	2	J	670	50		350	50		32	10	J	16	5	J	88	10		310	200	J	650	20	
Dibenzo(a,h)anthracene	53-70-3	0.36	UG/L	ND	2		200	50	J	330	50		43	10	J	ND	5		99	10		ND	200		270	20	
1,2-Dichlorobenzene	95-50-1	600	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
1,3-Dichlorobenzene	541-73-1	600	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
1,4-Dichlorobenzene	106-46-7	75	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
2,4-Dichlorophenol	120-83-2	20	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		30	20	J
3,3'-Dichlorobenzidine	91-94-1	5.8	UG/L	ND	4		ND	100		ND	100		ND	20		ND	11		ND	20		ND	400		ND	40	
Diethyl phthalate	84-66-2	5000	UG/L	ND	4		ND	100		ND	100		ND	20		ND	11		ND	20		ND	400		ND	40	
2,4-Dimethylphenol	105-67-9	2000	UG/L	ND	6		ND	150		ND	150		ND	30		19	16	J	37	30	J	ND	600		160	60	J
Dimethyl phthalate	131-11-3	NS	UG/L	ND	4		ND	100		ND	100		ND	20		ND	11		ND	20		ND	400		ND	40	
Di-n-butyl phthalate	84-74-2	10000	UG/L	ND	4		ND	100		ND	100		ND	20		ND	11		ND	20		ND	400		ND	40	
Di-n-octylphthalate	117-84-0	2000	UG/L	ND	4		ND	100		ND	100		ND	20		ND	11		ND	20		ND	400		ND	40	
2,4-Dinitrophenol	51-28-5	41	UG/L	ND	40		ND	1000		ND	1000		ND	200		ND	110		ND	200		ND	4000		ND	400	
4,6-Dinitro-2-methylphenol	534-52-1	NS	UG/L	ND	10		ND	250		ND	250		ND	50		ND	26		ND	50		ND	1000		ND	100	
2,4-Dinitrotoluene	121-14-2	8.4	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
2,6-Dinitrotoluene	606-20-2	100	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
1,4-Dioxane	123-91-1	24	UG/L	12	2		ND	50		ND	50		29	10	J	36	5		ND	10		ND	200		62	20	J
1,2-Diphenylhydrazine	122-66-7	3.3	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
Fluoranthene	206-44-0	260	UG/L	8	2	J	1100	50		100	50	J	22	10	J	ND	5		100	10		ND	200		110	20	
Fluorene	86-73-7	1900	UG/L	5	2	J	210	50	J	ND	50		ND	10		ND	5		52	10		ND	200		55	20	J
Hexachlorobenzene	118-74-1	1	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
Hexachlorobutadiene	87-68-3	1	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
Hexachlorocyclopentadiene	77-47-4	50	UG/L	ND	10		ND	250		ND	250		ND	50		ND	26		ND	50		ND	1000		ND	100	
Hexachloroethane	67-72-1	1	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
Indeno(1,2,3-c,d)pyrene	193-39-5	3.6	UG/L	4	2	J	490	50		260	50		35	10	J	9	5	J	110	10		ND	200		230	20	
Isophorone	78-59-1	100	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
1-Methylnaphthalene	90-12-0	NS	UG/L	ND	2		ND	50		ND	50		ND	10		6	5	J	35	10	J	ND	200		220	20	
Naphthalene	91-20-3	100	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		29	10	J	ND	200		180	20	
N-Nitrosodimethylamine	62-75-9	0.013	UG/L	ND	4		ND	100		ND	100		ND	20		ND	11		ND	20		ND	400		ND	40	
4-Nitrophenol	100-02-7	60	UG/L	ND	20		ND	500		ND	500		ND	100		ND	53		ND	100		ND	2000		ND	200	
Nitrobenzene	98-95-3	51	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
2-Nitrophenol	88-75-5	820	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
n-Nitrosodi-n-propylamine	621-64-7	0.37	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
N-Nitrosodiphenylamine	86-30-6	530	UG/L	ND	4		ND	100		ND	100		ND	20		ND	11		ND	20		ND	400		ND	40	
Pentachlorophenol	87-86-5	1	UG/L	ND	6		ND	150		260	150	J	ND	30		ND	16		150	30	J	ND	600		ND	60	
Phenanthrene	85-01-8	1100	UG/L	7	2	J	520	50	J	79	50	J	11	10	J	15	5	J	99	10		200	200	J	210	20	
Phenol	108-95-2	4000	UG/L	3	2	J	ND	50		62	50	J	ND	10		29	5		50	10	J	ND	200		570	20	
Pyrene	129-00-0	130	UG/L	7	2	J	1100	50		340	50		30	10	J	26	5	J	170	10		270	200	J	370	20	
2,4,6-Trichlorophenol	88-06-2	31	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
1,2,4-Trichlorobenzene	120-82-1	70	UG/L	ND	2		ND	50		ND	50		ND	10		ND	5		ND	10		ND	200		ND	20	
SVO TICs		NS	UG/L	959			19540			52670			5220			17623			20230			13430			26520		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-105 05-MET-105 08/09/05 5-15 1			05-MET-107 05-MET-107 08/10/05 0-10 1			05-MET-107 05-MET-107A 08/09/05 0-10 1			05-MET-110 05-MET-110 08/09/05 0.5-16 1			05-MET-111 05-MET-111 08/10/05 5-15 1			05-MET-114 05-MET-114 08/08/05 0-20 1			05-MET-115 05-MET-115 08/09/05 0-19 1			05-MET-119 05-MET-119 08/11/05 2-12 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																											
Acenaphthene	83-32-9	3800	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		200	50	J	ND	9		ND	2	
Acenaphthylene	208-96-8	6100	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
Anthracene	120-12-7	66	UG/L	ND	10		ND	5		ND	5		12	5	J	5	5	J	720	50		ND	9		ND	2	
Benzidine	92-87-5	0.011	UG/L	ND	190		ND	97		ND	100		ND	95		ND	95		ND	1000		ND	190		ND	40	
Benzo(a)anthracene	56-55-3	3.6	UG/L	ND	10		30	5		18	5	J	11	5	J	10	5	J	770	50		ND	9		4	2	J
Benzo(a)pyrene	50-32-8	0.2	UG/L	ND	10		34	5		16	5	J	ND	5		10	5	J	400	50		ND	9		4	2	J
Benzo(b)fluoranthene	205-99-2	1.2	UG/L	ND	10		15	5	J	8	5	J	ND	5		10	5	J	340	50		ND	9		2	2	J
Benzo(g,h,i)perylene	191-24-2	0.26	UG/L	ND	10		17	5	J	12	5	J	ND	5		14	5	J	220	50	J	ND	9		3	2	J
Benzo(k)fluoranthene	207-08-9	0.55	UG/L	ND	10		5	5	J	ND	5		ND	5		ND	5		130	50	J	ND	9		ND	2	
Butyl benzyl phthalate	85-68-7	2700	UG/L	ND	19		ND	10		ND	10		ND	9		ND	9		ND	100		ND	19		ND	4	
bis(2-Chloroethoxy) methane	111-91-1	NS	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
bis(2-Chloroethyl) ether	111-44-4	0.55	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
bis(2-Chloroisopropyl) ether	108-60-1	300	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
bis(2-Ethylhexyl) phthalate	117-81-7	6	UG/L	110	19		57	10		55	10		150	9		55	9		3400	100		120	19		20	4	
4-Bromophenyl phenyl ether	101-55-3	NS	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
4-Chloro-3-methylphenol	59-50-7	510	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
2-Chloronaphthalene	91-58-7	8200	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
2-Chlorophenol	95-57-8	40	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
4-Chlorophenyl phenyl ether	7005-72-3	NS	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
Chrysene	218-01-9	1.9	UG/L	ND	10		51	5		25	5	J	16	5	J	18	5	J	1300	50		ND	9		8	2	J
Dibenzo(a,h)anthracene	53-70-3	0.36	UG/L	ND	10		10	5	J	6	5	J	ND	5		10	5	J	ND	50		ND	9		ND	2	
1,2-Dichlorobenzene	95-50-1	600	UG/L	29	10	J	ND	5		ND	5		17	5	J	14	5	J	2300	50		34	9	J	ND	2	
1,3-Dichlorobenzene	541-73-1	600	UG/L	ND	10		ND	5		ND	5		32	5		ND	5		170	50	J	ND	9		ND	2	
1,4-Dichlorobenzene	106-46-7	75	UG/L	22	10	J	ND	5		ND	5		56	5		ND	5		610	50		ND	9		ND	2	
2,4-Dichlorophenol	120-83-2	20	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
3,3'-Dichlorobenzidine	91-94-1	5.8	UG/L	ND	19		ND	10		ND	10		ND	9		ND	9		ND	100		ND	19		ND	4	
Diethyl phthalate	84-66-2	5000	UG/L	ND	19		ND	10		ND	10		ND	9		ND	9		ND	100		ND	19		ND	4	
2,4-Dimethylphenol	105-67-9	2000	UG/L	210	29		ND	15		ND	16		28	14	J	63	14		3000	150		860	28		ND	6	
Dimethyl phthalate	131-11-3	NS	UG/L	ND	19		ND	10		ND	10		ND	9		ND	9		ND	100		ND	19		ND	4	
Di-n-butyl phthalate	84-74-2	10000	UG/L	ND	19		ND	10		ND	10		ND	9		ND	9		280	100		ND	19		ND	4	
Di-n-octylphthalate	117-84-0	2000	UG/L	ND	19		ND	10		ND	10		ND	9		ND	9		ND	100		ND	19		ND	4	
2,4-Dinitrophenol	51-28-5	41	UG/L	ND	190		ND	97		ND	100		ND	95		ND	95		ND	1000		ND	190		ND	40	
4,6-Dinitro-2-methylphenol	534-52-1	NS	UG/L	ND	48		ND	24		ND	26		ND	24		ND	24		ND	250		ND	47		ND	10	
2,4-Dinitrotoluene	121-14-2	8.4	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
2,6-Dinitrotoluene	606-20-2	100	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
1,4-Dioxane	123-91-1	24	UG/L	15	10	J	50	5		56	5		ND	5		8	5	J	ND	50		92	9		27	2	
1,2-Diphenylhydrazine	122-66-7	3.3	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
Fluoranthene	206-44-0	260	UG/L	ND	10		7	5	J	ND	5		20	5	J	6	5	J	1200	50		ND	9		ND	2	
Fluorene	86-73-7	1900	UG/L	ND	10		ND	5		ND	5		10	5	J	ND	5		480	50		ND	9		ND	2	
Hexachlorobenzene	118-74-1	1	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
Hexachlorobutadiene	87-68-3	1	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
Hexachlorocyclopentadiene	77-47-4	50	UG/L	ND	48		ND	24		ND	26		ND	24		ND	24		ND	250		ND	47		ND	10	
Hexachloroethane	67-72-1	1	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND	9		ND	2	
Indeno(1,2,3-c,d)pyrene	193-39-5	3.6	UG/L	ND	10		7	5	J	ND	5		ND	5		8	5	J	120	50	J	ND	9		ND	2	
Isophorone	78-59-1	100	UG/L	ND	10		ND	5		ND	5		ND	5		ND	5		ND	50		ND					



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-121 05-MET-121 08/10/05 0-15 5			05-MET-123 05-MET-123 08/09/05 7-17 5			05-MET-124 05-MET-124 08/11/05 3-13 1, 2			05-MET-125 05-MET-125 08/10/05 0-16 1			05-MET-126 05-MET-126 08/10/05 0.5-15.5 1			05-MET-128 05-MET-128 08/22/05 5-15 1			05-MET-129 05-MET-129 08/22/05 2-12 1			05-MET-130 05-MET-130 08/17/05 0-15 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																											
Acenaphthene	83-32-9	3800	UG/L	ND	500		ND	50		21	4		190	100	J	ND	1		ND	10		ND	10		ND	10	
Acenaphthylene	208-96-8	6100	UG/L	ND	500		ND	50		8	4	J	ND	100		ND	1		ND	10		ND	10		12	10	J
Anthracene	120-12-7	66	UG/L	ND	500		ND	50		82	4		630	100		6	1		ND	10		ND	10		24	10	J
Benzidine	92-87-5	0.011	UG/L	ND	10000		ND	1000		ND	80		ND	2000		ND	20		ND	200		ND	200		ND	200	
Benzo(a)anthracene	56-55-3	3.6	UG/L	2700	500		240	50	J	470	4		4100	100		33	1	J	11	10	J	ND	10		73	10	
Benzo(a)pyrene	50-32-8	0.2	UG/L	1800	500	J	170	50	J	340	8		3400	100		32	1	J	10	10	J	ND	10		76	10	
Benzo(b)fluoranthene	205-99-2	1.2	UG/L	930	500	J	130	50	J	240	4		2400	100		16	1	J	13	10	J	ND	10		130	10	
Benzo(g,h,i)perylene	191-24-2	0.26	UG/L	1900	500	J	110	50	J	240	4		4000	100		34	1		ND	10		ND	10		67	10	
Benzo(k)fluoranthene	207-08-9	0.55	UG/L	ND	500		51	50	J	ND	4		670	100		6	1		ND	10		ND	10		130	10	
Butyl benzyl phthalate	85-68-7	2700	UG/L	ND	1000		ND	100		ND	8		ND	200		ND	2		ND	20		ND	20		23	20	J
bis(2-Chloroethoxy) methane	111-91-1	NS	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
bis(2-Chloroethyl) ether	111-44-4	0.55	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
bis(2-Chloroisopropyl) ether	108-60-1	300	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
bis(2-Ethylhexyl) phthalate	117-81-7	6	UG/L	ND	1000		ND	100		ND	8		ND	200		ND	2		ND	20		ND	20		110	20	
4-Bromophenyl phenyl ether	101-55-3	NS	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
4-Chloro-3-methylphenol	59-50-7	510	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
2-Chloronaphthalene	91-58-7	8200	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
2-Chlorophenol	95-57-8	40	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
4-Chlorophenyl phenyl ether	7005-72-3	NS	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
Chrysene	218-01-9	1.9	UG/L	2900	500		500	50		840	8		5800	100		44	1		10	10	J	ND	10		79	10	
Dibenzo(a,h)anthracene	53-70-3	0.36	UG/L	1200	500	J	75	50	J	170	4		2200	100		18	1		ND	10		ND	10		20	10	J
1,2-Dichlorobenzene	95-50-1	600	UG/L	ND	500		ND	50		63	4		ND	100		ND	1		ND	10		ND	10		ND	10	
1,3-Dichlorobenzene	541-73-1	600	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
1,4-Dichlorobenzene	106-46-7	75	UG/L	ND	500		ND	50		6	4	J	ND	100		ND	1		ND	10		ND	10		ND	10	
2,4-Dichlorophenol	120-83-2	20	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
3,3'-Dichlorobenzidine	91-94-1	5.8	UG/L	ND	1000		ND	100		ND	8		ND	200		ND	2		ND	20		ND	20		ND	20	
Diethyl phthalate	84-66-2	5000	UG/L	ND	1000		ND	100		ND	8		ND	200		ND	2		ND	20		ND	20		ND	20	
2,4-Dimethylphenol	105-67-9	2000	UG/L	ND	1500		250	150	J	41	12		ND	300		ND	3		ND	30		ND	30		ND	30	
Dimethyl phthalate	131-11-3	NS	UG/L	ND	1000		ND	100		ND	8		ND	200		ND	2		ND	20		ND	20		ND	20	
Di-n-butyl phthalate	84-74-2	10000	UG/L	ND	1000		ND	100		ND	8		ND	200		ND	2		ND	20		ND	20		ND	20	
Di-n-octylphthalate	117-84-0	2000	UG/L	ND	1000		ND	100		ND	8		ND	200		ND	2		ND	20		ND	20		ND	20	
2,4-Dinitrophenol	51-28-5	41	UG/L	ND	10000		ND	1000		ND	80		ND	2000		ND	20		ND	200		ND	200		ND	200	
4,6-Dinitro-2-methylphenol	534-52-1	NS	UG/L	ND	2500		ND	250		ND	20		ND	500		ND	5		ND	50		ND	50		ND	50	
2,4-Dinitrotoluene	121-14-2	8.4	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
2,6-Dinitrotoluene	606-20-2	100	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
1,4-Dioxane	123-91-1	24	UG/L	ND	500		ND	50		40	4		ND	100		3	1	J	ND	10		ND	10		ND	10	
1,2-Diphenylhydrazine	122-66-7	3.3	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
Fluoranthene	206-44-0	260	UG/L	ND	500		98	50	J	36	4		640	100		4	1	J	17	10	J	ND	10		130	10	
Fluorene	86-73-7	1900	UG/L	ND	500		ND	50		34	4		240	100	J	2	1	J	ND	10		ND	10		ND	10	
Hexachlorobenzene	118-74-1	1	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
Hexachlorobutadiene	87-68-3	1	UG/L	ND	500		ND	50		ND	4		ND	100		ND	1		ND	10		ND	10		ND	10	
Hexachlorocyclopentadiene	77-47-4	50	UG/L	ND	2500		ND	250																			



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-132 05-MET-132 08/16/05 0-16 1			05-MET-133 05-MET-133 08/23/05 0-15 1			05-MET-134 05-MET-134 08/23/05 10-20 1			05-MET-135 05-MET-135 08/23/05 1-21 1		
	CAS #	Non-Residential	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
<b>BNs</b>															
Acenaphthene	83-32-9	3800	UG/L	ND	1		ND	10		ND	10		ND	10	
Acenaphthylene	208-96-8	6100	UG/L	ND	1		ND	10		ND	10		ND	10	
Anthracene	120-12-7	66	UG/L	ND	1		ND	10		ND	10		ND	10	
Benzidine	92-87-5	0.011	UG/L	ND	19		ND	200		ND	200		ND	200	
Benzo(a)anthracene	56-55-3	3.6	UG/L	ND	1		ND	10		ND	10		ND	10	
Benzo(a)pyrene	50-32-8	0.2	UG/L	ND	1		ND	10		ND	10		ND	10	
Benzo(b)fluoranthene	205-99-2	1.2	UG/L	ND	1		ND	10		ND	10		ND	10	
Benzo(g,h,i)perylene	191-24-2	0.26	UG/L	ND	1		ND	10		ND	10		ND	10	
Benzo(k)fluoranthene	207-08-9	0.55	UG/L	ND	1		ND	10		ND	10		ND	10	
Butyl benzyl phthalate	85-68-7	2700	UG/L	ND	2		ND	20		ND	20		ND	20	
bis(2-Chloroethoxy) methane	111-91-1	NS	UG/L	ND	1		ND	10		ND	10		ND	10	
bis(2-Chloroethyl) ether	111-44-4	0.55	UG/L	ND	1		ND	10		ND	10		ND	10	
bis(2-Chloroisopropyl) ether	108-60-1	300	UG/L	ND	1		ND	10		ND	10		ND	10	
bis(2-Ethylhexyl) phthalate	117-81-7	6	UG/L	ND	2		ND	20		ND	20		ND	20	
4-Bromophenyl phenyl ether	101-55-3	NS	UG/L	ND	1		ND	10		ND	10		ND	10	
4-Chloro-3-methylphenol	59-50-7	510	UG/L	ND	1		ND	10		ND	10		ND	10	
2-Chloronaphthalene	91-58-7	8200	UG/L	ND	1		ND	10		ND	10		ND	10	
2-Chlorophenol	95-57-8	40	UG/L	ND	1		ND	10		ND	10		ND	10	
4-Chlorophenyl phenyl ether	7005-72-3	NS	UG/L	ND	1		ND	10		ND	10		ND	10	
Chrysene	218-01-9	1.9	UG/L	ND	1		ND	10		ND	10		ND	10	
Dibenzo(a,h)anthracene	53-70-3	0.36	UG/L	ND	1		ND	10		ND	10		ND	10	
1,2-Dichlorobenzene	95-50-1	600	UG/L	ND	1		ND	10		ND	10		ND	10	
1,3-Dichlorobenzene	541-73-1	600	UG/L	ND	1		ND	10		ND	10		ND	10	
1,4-Dichlorobenzene	106-46-7	75	UG/L	ND	1		ND	10		ND	10		ND	10	
2,4-Dichlorophenol	120-83-2	20	UG/L	ND	1		ND	10		ND	10		ND	10	
3,3'-Dichlorobenzidine	91-94-1	5.8	UG/L	ND	2		ND	20		ND	20		ND	20	
Diethyl phthalate	84-66-2	5000	UG/L	ND	2		ND	20		ND	20		ND	20	
2,4-Dimethylphenol	105-67-9	2000	UG/L	ND	3		ND	30		ND	30		ND	30	
Dimethyl phthalate	131-11-3	NS	UG/L	ND	2		ND	20		ND	20		ND	20	
Di-n-butyl phthalate	84-74-2	10000	UG/L	ND	2		ND	20		ND	20		ND	20	
Di-n-octylphthalate	117-84-0	2000	UG/L	ND	2		ND	20		ND	20		ND	20	
2,4-Dinitrophenol	51-28-5	41	UG/L	ND	19		ND	200		ND	200		ND	200	
4,6-Dinitro-2-methylphenol	534-52-1	NS	UG/L	ND	5		ND	50		ND	50		ND	50	
2,4-Dinitrotoluene	121-14-2	8.4	UG/L	ND	1		ND	10		ND	10		ND	10	
2,6-Dinitrotoluene	606-20-2	100	UG/L	ND	1		ND	10		ND	10		ND	10	
1,4-Dioxane	123-91-1	24	UG/L	ND	1		ND	10		ND	10		ND	10	
1,2-Diphenylhydrazine	122-66-7	3.3	UG/L	ND	1		ND	10		ND	10		ND	10	
Fluoranthene	206-44-0	260	UG/L	ND	1		ND	10		ND	10		ND	10	
Fluorene	86-73-7	1900	UG/L	ND	1		ND	10		ND	10		ND	10	
Hexachlorobenzene	118-74-1	1	UG/L	ND	1		ND	10		ND	10		ND	10	
Hexachlorobutadiene	87-68-3	1	UG/L	ND	1		ND	10		ND	10		ND	10	
Hexachlorocyclopentadiene	77-47-4	50	UG/L	ND	5		ND	50		ND	50		ND	50	
Hexachloroethane	67-72-1	1	UG/L	ND	1		ND	10		ND	10		ND	10	
Indeno(1,2,3-c,d)pyrene	193-39-5	3.6	UG/L	ND	1		ND	10		ND	10		ND	10	
Isophorone	78-59-1	100	UG/L	ND	1		ND	10		ND	10		ND	10	
1-Methylnaphthalene	90-12-0	NS	UG/L	ND	1		ND	10		ND	10		ND	10	
Naphthalene	91-20-3	100	UG/L	ND	1		ND	10		ND	10		ND	10	
N-Nitrosodimethylamine	62-75-9	0.013	UG/L	ND	2		ND	20		ND	20		ND	20	
4-Nitrophenol	100-02-7	60	UG/L	ND	10		ND	100		ND	100		ND	100	
Nitrobenzene	98-95-3	51	UG/L	ND	1		ND	10		ND	10		ND	10	
2-Nitrophenol	88-75-5	820	UG/L	ND	1		ND	10		ND	10		ND	10	
n-Nitrosodi-n-propylamine	621-64-7	0.37	UG/L	ND	1		ND	10		ND	10		ND	10	
N-Nitrosodiphenylamine	86-30-6	530	UG/L	ND	2		ND	20		ND	20		ND	20	
Pentachlorophenol	87-86-5	1	UG/L	ND	3		ND	30		ND	30		ND	30	
Phenanthrene	85-01-8	1100	UG/L	ND	1		ND	10		ND	10		ND	10	
Phenol	108-95-2	4000	UG/L	ND	1		ND	10		ND	10		ND	10	
Pyrene	129-00-0	130	UG/L	ND	1		ND	10		ND	10		ND	10	
2,4,6-Trichlorophenol	88-06-2	31	UG/L	ND	1		ND	10		ND	10		ND	10	
1,2,4-Trichlorobenzene	120-82-1	70	UG/L	ND	1		ND	10		ND	10		ND	10	
SVO TICs		NS	UG/L	ND			120			ND			ND		



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-002 05-MET-002 08/17/05 0-12 1			05-MET-004 05-MET-004 08/16/05 0-16 1			05-MET-007 05-MET-007 08/15/05 0-10 1			05-MET-007 05-MET-007A 08/15/05 0-10 1			05-MET-009 05-MET-009 08/15/05 0-15 1			05-MET-011 05-MET-011 08/16/05 0-12 1			05-MET-014 05-MET-014 08/15/05 0-10 1			05-MET-018 05-MET-018 08/16/05 0-16 1		
	CAS #	Non-Residential	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
General Chemistry Cyanide Total Phenolics	57-12-5	200 NS	UG/L UG/L	ND 12	5 9		ND ND	ND ND		ND 39	5 9		ND 29	5 9	J	ND 15	5 9	J	ND ND	5 9		ND 30	5 18	J	ND 40	5 9	
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-019 05-MET-019 08/12/05 0-10 1			05-MET-022 05-MET-022 08/15/05 0-12 1			05-MET-026 05-MET-026 08/17/05 0-10 1			05-MET-027 05-MET-027 08/19/05 5-20 1			05-MET-029 05-MET-029 08/18/05 0-15 1			05-MET-030 05-MET-030 08/18/05 0-9 1			05-MET-031 05-MET-031 08/11/05 0-15 1			05-MET-032 05-MET-032 08/11/05 0-15 1		
	CAS #	Non-Residential	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
General Chemistry Cyanide Total Phenolics	57-12-5	200 NS	UG/L UG/L	ND 340	5 9		ND 5	5		ND 55	5 9		ND 170	5 18		9.9 ND	5 18	J	ND 69	5 18		ND 53	5 9		ND 52	5 9	
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-033 05-MET-033 08/11/05 0-12 1			05-MET-034 05-MET-034 08/18/05 0-17 1			05-MET-035 05-MET-035 08/18/05 5-15 1			05-MET-036 05-MET-036 08/18/05 5-15 1			05-MET-037 05-MET-037 08/19/05 0-15 1			05-MET-039 05-MET-039 08/19/05 0-12 1			05-MET-040 05-MET-040 08/22/05 0-14 1			05-MET-042 05-MET-042 08/19/05 0-12 1		
	CAS #	Non-Residential	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
General Chemistry Cyanide Total Phenolics	57-12-5	200 NS	UG/L UG/L	ND 90	5 9		ND 25	5 9	J	ND 55	5 9		ND 68	5 18		ND 25	5 9	J	ND ND	5 18		ND ND	5 9		ND 45	5 9	
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-044 05-MET-044 08/22/05 0-15 1			05-MET-044 05-MET-044A 08/22/05 0-15 1			05-MET-045 05-MET-045 08/22/05 0-12 1			05-MET-047 05-MET-047 08/19/05 0-15 1			05-MET-048 05-MET-048 08/22/05 0-15 1			05-MET-050 05-MET-050 08/22/05 0-15 1			05-MET-052 05-MET-052 08/23/05 0-15 1			05-MET-053 05-MET-053 08/23/05 0-15 1		
	CAS #	Non-Residential	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
General Chemistry Cyanide Total Phenolics	57-12-5	200 NS	UG/L UG/L	ND 37	5 18	J	ND 46	5 18	J	ND ND	5 18		ND 170	5 18		ND 100	5 18		ND ND	5 18		ND ND	5 9		ND ND	5 9	
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-055 05-MET-055 08/23/05 0-15 1			05-MET-056 05-MET-056 08/23/05 0-16 1			05-MET-058 05-MET-058 08/16/05 1.5-16.5 1			05-MET-059 05-MET-059 08/17/05 5-20 1			05-MET-062 05-MET-062 08/15/05 0-7 1, 50			05-MET-065 05-MET-065 08/15/05 0-17 1			05-MET-066 05-MET-066 08/16/05 5-15 1			05-MET-071 05-MET-071 08/22/05 2-12 1		
	CAS #	Non-Residential	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
General Chemistry Cyanide Total Phenolics	57-12-5	200 NS	UG/L UG/L	ND ND	5 18		ND ND	5 18		ND 210	5 9		ND 40	5 9		7.6 9600	5 450	J	ND 31	5 9		13 66	5 9		8.9 ND	5 9	J



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-072 05-MET-072 08/22/05 0-10 1			05-MET-075 05-MET-075 08/22/05 2-12 1			05-MET-079 05-MET-079 08/17/05 0-12 1			05-MET-079 05-MET-079A 08/17/05 0-12 1			05-MET-080 05-MET-080 08/17/05 0-12 1			05-MET-084 05-MET-084 08/12/05 0-10 1			05-MET-086 05-MET-086 08/12/05 0-10 1, 2			05-MET-087 05-MET-087 08/11/05 0-7 1		
	CAS #	Non-Residential	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
General Chemistry	57-12-5	200 NS	UG/L UG/L	9.2	5	J	ND	5		ND	5		ND	5		ND	5		270	5		530	10		71	5	
Cyanide				150	18		42	18	J	57	9		120	9		78	9		84	9		98	9		22	9	J
Total Phenolics																											
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-089 05-MET-089 08/12/05 0-10 1			05-MET-090 05-MET-090 08/12/05 0-10 1			05-MET-092 05-MET-092 08/09/05 3-13 1			05-MET-093 05-MET-093 08/11/05 2-12 1			05-MET-094 05-MET-094 08/11/05 0-7 1			05-MET-095 05-MET-095 08/10/05 3-13 1			05-MET-096 05-MET-096 08/10/05 5-15 1			05-MET-098 05-MET-098 08/12/05 0-17 1		
	CAS #	Non-Residential	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
General Chemistry	57-12-5	200 NS	UG/L UG/L	13	5		13	5		120	5		58	5		10	5		ND	5		37	5		ND	5	
Cyanide				51	9		ND	9		280	9		160	9		100	9		30	9	J	220	9		98	9	
Total Phenolics																											
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-099 05-MET-099 08/09/05 3-13 1			05-MET-101 05-MET-101 08/10/05 4-14 1, 5			05-MET-103 05-MET-103 08/11/05 0-19 1, 2			05-MET-104 05-MET-104 08/11/05 0-16 1, 10			05-MET-105 05-MET-105 08/09/05 5-15 1			05-MET-107 05-MET-107 08/10/05 0-10 1			05-MET-107 05-MET-107A 08/10/05 0-10 1			05-MET-110 05-MET-110 08/09/05 0.5-16 1		
	CAS #	Non-Residential	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
General Chemistry	57-12-5	200 NS	UG/L UG/L	81	5		83	5		21	5		120	5		6.7	5	J	78	5		70	5		ND	5	
Cyanide				180	9		280	45		840	18		2300	90		400	9		470	9		350	9		130	9	
Total Phenolics																											
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-111 05-MET-111 08/10/05 5-15 1			05-MET-114 05-MET-114 08/08/05 0-20 1, 20			05-MET-115 05-MET-115 08/09/05 0-19 1, 5			05-MET-119 05-MET-119 08/11/05 2-12 1			05-MET-121 05-MET-121 08/10/05 0-15 1, 5			05-MET-123 05-MET-123 08/09/05 7-17 1, 10			05-MET-125 05-MET-125 08/10/05 0-16 1			05-MET-126 05-MET-126 08/10/05 0.5-15.5 1, 5		
	CAS #	Non-Residential	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
General Chemistry	57-12-5	200 NS	UG/L UG/L	51	5		310	5		170	5		28	5		29	5		75	5		15	5		ND	5	
Cyanide				250	9		3100	180		1500	45		140	9		1400	45		2000	90		410	9		910	45	
Total Phenolics																											
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-129 05-MET-129 08/22/05 2-12 1			05-MET-130 05-MET-130 08/17/05 0-15 1			05-MET-134 05-MET-134 08/23/05 10-20 1			05-MET-135 05-MET-135 08/23/05 1-21 1														
	CAS #	Non-Residential	Units	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier												
General Chemistry	57-12-5	200 NS	UG/L UG/L	ND	5		ND	5		ND	5		ND	5													
Cyanide				58	18	J	14	9	J	ND	9		22	18	J												
Total Phenolics																											



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-002 05-MET-002 08/17/05 0-12 5			05-MET-004 05-MET-004 08/16/05 0-16 1			05-MET-007 05-MET-007 08/15/05 0-10 10			05-MET-007 05-MET-007A 08/15/05 0-10 10			05-MET-009 05-MET-009 08/15/05 0-15 10			05-MET-011 05-MET-011 08/16/05 0-12 1			05-MET-014 05-MET-014 08/15/05 0-10 10			05-MET-015 05-MET-015 08/15/05 0-15 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>Pesticides/PCBs</b>																											
Aldrin	309-00-2	0.037	UG/L	ND	0.25		ND	0.05		ND	0.5		ND	0.049		ND	0.5		ND	0.05		ND	0.5		ND	0.05	
PCB-1016 (Arochlor 1016)	12674-11-2	7.2	UG/L	ND	5		ND	1		ND	10		ND	0.97		ND	10		ND	1		ND	10		ND	1	
PCB-1221 (Arochlor 1221)	11104-28-2	5.2	UG/L	ND	5.5		ND	1.1		ND	11		ND	1.1		ND	11		ND	1.1		ND	11		ND	1.1	
PCB-1232 (Arochlor 1232)	11141-16-5	5.2	UG/L	ND	5		ND	1		ND	10		ND	0.97		ND	10		ND	1		ND	10		ND	1	
PCB-1242 (Arochlor 1242)	53469-21-9	5.2	UG/L	ND	5		ND	1		ND	10		ND	0.97		ND	10		ND	1		ND	10		ND	1	
PCB-1248 (Arochlor 1248)	12672-29-6	1.4	UG/L	9.3	5	J	ND	1		120	10		1.6	0.97	J	ND	10		ND	1		ND	10		ND	1	
PCB-1254 (Arochlor 1254)	11097-69-1	1.4	UG/L	19	7	J	ND	1.4		97	14		ND	1.4		ND	14		ND	1.4		ND	14		ND	1.4	
PCB-1260 (Arochlor 1260)	11096-82-5	4.3	UG/L	14	5	J	ND	1		32	10	J	ND	0.97		ND	10		ND	1		ND	10		ND	1	
Alpha BHC	319-84-6	0.41	UG/L	ND	0.1		ND	0.02		ND	0.2		ND	0.019		ND	0.2		ND	0.02		ND	0.2		ND	0.02	
Beta BHC	319-85-7	1.4	UG/L	ND	0.6		ND	0.12		ND	1.2		ND	0.12		ND	1.2		ND	0.12		ND	1.2		ND	0.12	
Delta BHC	319-86-8	61	UG/L	ND	0.19		ND	0.038		ND	0.38		ND	0.037		ND	0.38		ND	0.038		ND	0.38		ND	0.038	
Gamma BHC - Lindane	58-89-9	0.2	UG/L	ND	0.1		ND	0.02		ND	0.2		ND	0.019		ND	0.2		ND	0.02		ND	0.2		ND	0.02	
Chlordane	57-74-9	2	UG/L	ND	3.5		ND	0.7		ND	7		ND	0.68		ND	7		ND	0.7		ND	7		ND	0.7	
p,p-DDD	72-54-8	2.7	UG/L	ND	0.3		ND	0.06		ND	0.6		ND	0.058		ND	0.6		ND	0.06		ND	0.6		ND	0.06	
p,p-DDE	72-55-9	7.6	UG/L	ND	1.7		ND	0.04		ND	2.8		ND	0.039		0.51	0.4	J	ND	0.04		0.51	0.4	J	ND	0.04	
p,p-DDT	50-29-3	5.5	UG/L	ND	0.3		ND	0.06		ND	3.6		ND	0.058		ND	0.6		ND	0.06		ND	0.6		ND	0.06	
Dieldrin	60-57-1	0.16	UG/L	ND	0.76		ND	0.1		ND	1		ND	0.097		ND	1		ND	0.1		ND	1		ND	0.1	
Endosulfan I	959-98-8	500	UG/L	ND	0.1		ND	0.02		ND	0.2		ND	0.019		ND	0.2		ND	0.02		ND	0.2		ND	0.02	
Endosulfan II	33213-65-9	450	UG/L	ND	0.2		ND	0.04		ND	2		ND	0.039		ND	0.4		ND	0.04		ND	0.4		ND	0.04	
Endosulfan Sulfate	1031-07-8	120	UG/L	ND	0.3		ND	0.06		ND	0.6		ND	0.058		ND	0.6		ND	0.06		ND	0.6		ND	0.06	
Endrin	72-20-8	2	UG/L	ND	0.2		ND	0.04		ND	0.4		ND	0.039		ND	0.4		ND	0.04		ND	0.4		0.043	0.04	J
Endrin Aldehyde	7421-93-4	NS	UG/L	ND	1.2		ND	0.23		ND	2.3		ND	0.22		ND	2.3		ND	0.23		ND	2.3		ND	0.23	
Heptachlor	76-44-8	0.4	UG/L	ND	0.1		ND	0.02		ND	0.2		ND	0.019		ND	0.2		ND	0.02		ND	0.2		ND	0.02	
Heptachlor Epoxide	1024-57-3	0.2	UG/L	ND	0.1		ND	0.02		ND	0.2		ND	0.019		ND	0.2		ND	0.02		ND	0.2		ND	0.02	
Methoxychlor	72-43-5	40	UG/L	ND	1.5		ND	0.3		ND	3		ND	0.29		ND	3		ND	0.3		ND	3		ND	0.3	
Toxaphene	8001-35-2	3	UG/L	ND	15		ND	3		ND	30		ND	2.9		ND	30		ND	3		ND	30		ND	3	
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-018 05-MET-018 08/16/05 0-16 1			05-MET-019 05-MET-019 08/12/05 0-10 20			05-MET-022 05-MET-022 08/15/05 0-12 1			05-MET-023 05-MET-023 08/15/05 0-10 1			05-MET-026 05-MET-026 08/17/05 0-10 20			05-MET-027 05-MET-027 08/19/05 5-20 10			05-MET-029 05-MET-029 08/18/05 0-15 1			05-MET-030 05-MET-030 08/18/05 0-9 5, 50		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>Pesticides/PCBs</b>																											
Aldrin	309-00-2	0.037	UG/L	ND	0.005		ND	1		ND	0.05		ND	0.05		ND	1		ND	1		ND	0.05		ND	0.25	
PCB-1016 (Arochlor 1016)	12674-11-2	7.2	UG/L	ND	0.1		ND	20		ND	1		ND	1		ND	20		ND	20		ND	1		ND	5	
PCB-1221 (Arochlor 1221)	11104-28-2	5.2	UG/L	ND	0.11		ND	22		ND	1.1		ND	1.1		ND	22		ND	22		ND	1.1		ND	5.5	
PCB-1232 (Arochlor 1232)	11141-16-5	5.2	UG/L	ND	0.1		ND	20		ND	1		ND	1		ND	20		ND	20		ND	1		ND	5	
PCB-1242 (Arochlor 1242)	53469-21-9	5.2	UG/L	ND	0.1		ND	20		ND	1		ND	1		ND	20		ND	20		ND	1		ND	5	
PCB-1248 (Arochlor 1248)	12672-29-6	1.4	UG/L	ND	0.1		22	20	J	ND	1		ND	1		ND	20		ND	20		ND	1		ND	5	
PCB-1254 (Arochlor 1254)	11097-69-1	1.4	UG/L	ND	0.14		61	28	J	ND	1.4		ND	1.4		ND	28		ND	28		ND	5		ND	25	
PCB-1260 (Arochlor 1260)	11096-82-5	4.3	UG/L	ND	0.1		32	20	J	ND	1		ND	1		ND	20		ND	20		3.3	1	J	ND	25	
Alpha BHC	319-84-6	0.41	UG/L	0.0031	0.002	J	ND	0.4		ND	0.02		ND	0.02		ND	0.4		ND	0.4		ND	0.02		ND	0.1	
Beta BHC	319-85-7	1.4	UG/L	ND	0.012		ND	2.4		ND	0.12		ND	0.12		ND	2.4		ND	2.4		ND	0.12		ND	0.6	
Delta BHC	319-86-8	61	UG/L	ND	0.0038		ND	0.76		ND	0.038		ND	0.038		ND	0.76		ND	0.76		ND	0.038		ND	0.19	
Gamma BHC - Lindane	58-89-9	0.2	UG/L	ND	0.002		ND	0.4		ND	0.02		ND	0.02		ND	0.4		ND	0.4		ND	0.02		ND	0.1	
Chlordane	57-74-9	2	UG/L	ND	0.07		ND	14		ND	0.7		ND	0.7		ND	14		ND	14		ND	0.7		ND	3.5	
p,p-DDD	72-54-8	2.7	UG/L	ND	0.006		ND	4		ND	0.06		ND	0.06		ND	1.2		ND	1.2		ND	0.06		3.4	0.3	
p,p-DDE	72-55-9	7.6	UG/L	0.0063	0.004	J	ND	4		ND	0.04		0.098	0.04	J	0.97	0.8	J	0.87	0.8	J	ND	0.2		0.46	0.2	J
p,p-DDT	50-29-3	5.5	UG/L	0.0070	0.006	J	ND	1.2		ND	0.06		ND	0.06		ND	1.2		ND	1.2		ND	0.37		17	3	
Dieldrin	60-57-1	0.16	UG/L	ND	0.01		ND	2		ND	0.1		ND	0.1		ND	2		ND	2		ND	0.1		ND	0.5	
Endosulfan I	959-98-8	500	UG/L	ND	0.002		ND	0.4		ND	0.02		ND	0.02		ND	0.4		ND	0.4		ND	0.02		ND	0.1	
Endosulfan II	33213-65-9	450	UG/L	ND	0.004		ND	0.8		ND	0.04		ND	0.04		0.81	0.8	J	ND	0.8		ND	0.04		ND	0.2	
Endosulfan Sulfate	1031-07-8	120	UG/L	ND	0.006		ND	1.2		ND	0.06		ND	0.06		ND	1.2		ND	1.2		ND	0.06		ND	0.3	
Endrin	72-20-8	2	UG/L	ND	0.004		ND	0.8		ND	0.04		ND	0.04		ND	0.8		ND	0.8		ND	0.04		ND	0.2	
Endrin Aldehyde	7421-93-4	NS	UG/L	ND	0.023		ND	4.6		ND	0.23		ND	0.23		ND	4.6		ND	4.6		ND	0.23		ND	1.2	
Heptachlor	76-44-8	0.4	UG/L	ND	0.002		ND	0.4		ND	0.02		ND	0.02		ND	0.4		ND	0.4		ND	0.02		ND	0.1	
Heptachlor Epoxide	1024-57-3	0.2	UG/L	ND	0.002		ND	0.4		ND	0.02		ND	0.02		ND	0.4		ND	0.4		ND	0.02		ND	0.1	
Methoxychlor	72-43-5	40	UG/L	ND	0.03		ND	6		ND	0.3		ND	0.3		ND	6		ND	6		ND	0.3		ND	1.5	
Toxaphene	8001-35-2	3	UG/L	ND	0.3		ND	60		ND	3		ND	3		ND	60		ND	60		ND	3		ND	15	



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-031 05-MET-031 08/11/05 0-15 20			05-MET-032 05-MET-032 08/11/05 0-15 10			05-MET-033 05-MET-033 08/11/05 0-12 10			05-MET-034 05-MET-034 08/18/05 0-17 20			05-MET-035 05-MET-035 08/18/05 5-15 50			05-MET-036 05-MET-036 08/18/05 5-15 10			05-MET-037 05-MET-037 08/19/05 0-15 1			05-MET-039 05-MET-039 08/19/05 0-12 1		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>Pesticides/PCBs</b>																											
Aldrin	309-00-2	0.037	UG/L	ND	1		ND	0.5		ND	0.5		ND	2		ND	5		ND	0.5		ND	0.05		ND	0.0048	
PCB-1016 (Arochlor 1016)	12674-11-2	7.2	UG/L	ND	20		ND	10		ND	10		ND	40		ND	100		ND	10		ND	1		ND	0.095	
PCB-1221 (Arochlor 1221)	11104-28-2	5.2	UG/L	ND	22		ND	11		ND	11		ND	44		ND	110		ND	11		ND	1.1		ND	0.1	
PCB-1232 (Arochlor 1232)	11141-16-5	5.2	UG/L	ND	20		ND	10		ND	10		ND	40		ND	100		ND	10		ND	1		ND	0.095	
PCB-1242 (Arochlor 1242)	53469-21-9	5.2	UG/L	ND	20		ND	10		ND	10		ND	40		ND	100		ND	10		ND	1		ND	0.095	
PCB-1248 (Arochlor 1248)	12672-29-6	1.4	UG/L	ND	100		ND	10		ND	10		ND	40		ND	100		ND	10		ND	1		ND	0.095	
PCB-1254 (Arochlor 1254)	11097-69-1	1.4	UG/L	ND	28		ND	14		ND	14		ND	200		ND	500		ND	14		ND	1.4		ND	0.13	
PCB-1260 (Arochlor 1260)	11096-82-5	4.3	UG/L	ND	20		ND	10		ND	10		ND	200		ND	500		ND	10		ND	1		ND	0.095	
Alpha BHC	319-84-6	0.41	UG/L	ND	0.4		ND	0.2		ND	0.2		ND	0.8		ND	2		ND	0.2		ND	0.02		ND	0.11	0.0019
Beta BHC	319-85-7	1.4	UG/L	ND	2.4		ND	1.2		ND	1.2		ND	4.8		ND	12		ND	1.2		ND	0.12		0.017	0.011	J
Delta BHC	319-86-8	61	UG/L	ND	0.76		ND	0.38		ND	0.38		ND	1.5		ND	3.8		ND	0.38		ND	0.038		0.024	0.0036	
Gamma BHC - Lindane	58-89-9	0.2	UG/L	ND	0.4		ND	0.2		ND	0.2		ND	0.8		ND	2		ND	0.2		ND	0.02		ND	0.0019	
Chlordane	57-74-9	2	UG/L	ND	14		ND	7		ND	7		ND	28		ND	70		ND	7		ND	0.7		ND	0.067	
p,p-DDD	72-54-8	2.7	UG/L	ND	1.2		ND	0.6		ND	0.6		ND	2.4		ND	6		ND	0.6		ND	1.9	0.06	0.018	0.0057	J
p,p-DDE	72-55-9	7.6	UG/L	0.93	0.8	J	0.60	0.4	J	ND	0.4		4.3	1.6	J	7.8	4	J	0.46	0.4	J	0.27	0.04		0.010	0.0038	J
p,p-DDT	50-29-3	5.5	UG/L	ND	1.2		ND	0.6		ND	0.6		3.0	2.4	J	9.7	6	J	1.3	0.6	J	2.9	0.06		0.0063	0.0057	J
Dieldrin	60-57-1	0.16	UG/L	ND	2		ND	1		ND	1		ND	4		ND	10		ND	1		ND	0.1		ND	0.0095	
Endosulfan I	959-98-8	500	UG/L	ND	0.4		ND	0.2		ND	0.2		ND	0.8		ND	2		ND	0.2		ND	0.02		ND	0.0019	
Endosulfan II	33213-65-9	450	UG/L	ND	0.8		0.60	0.4	J	ND	0.4		3.3	1.6	J	6.6	4	J	ND	0.4		ND	0.04		ND	0.0038	
Endosulfan Sulfate	1031-07-8	120	UG/L	ND	1.2		ND	0.6		ND	0.6		ND	2.4		ND	6		ND	0.6		ND	0.06		ND	0.0057	
Endrin	72-20-8	2	UG/L	ND	0.8		ND	0.4		ND	0.4		6.3	1.6	J	23	4		ND	0.4		ND	0.04		ND	0.0038	
Endrin Aldehyde	7421-93-4	NS	UG/L	ND	4.6		ND	2.3		ND	2.3		ND	9.2		ND	23		ND	2.3		ND	0.23		ND	0.022	
Heptachlor	76-44-8	0.4	UG/L	ND	0.4		ND	0.2		ND	0.2		ND	0.8		ND	2		ND	0.2		ND	0.02		ND	0.0019	
Heptachlor Epoxide	1024-57-3	0.2	UG/L	ND	0.4		ND	0.2		ND	0.2		ND	0.8		ND	2		ND	0.2		0.037	0.02	J	0.0053	0.0019	J
Methoxychlor	72-43-5	40	UG/L	ND	6		ND	3		ND	3		ND	12		ND	30		ND	3		ND	0.3		ND	0.029	
Toxaphene	8001-35-2	3	UG/L	ND	60		ND	30		ND	30		ND	120		ND	300		ND	30		ND	3		ND	0.29	
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-040 05-MET-040 08/22/05 0-14 1			05-MET-042 05-MET-042 08/19/05 0-12 1			05-MET-044 05-MET-044 08/22/05 0-15 1			05-MET-044 05-MET-044A 08/22/05 0-15 20, 5			05-MET-045 05-MET-045 08/22/05 0-12 1, 5			05-MET-047 05-MET-047 08/19/05 0-15 1			05-MET-048 05-MET-048 08/22/05 0-15 10, 50			05-MET-050 05-MET-050 08/22/05 0-15 1, 5		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>Pesticides/PCBs</b>																											
Aldrin	309-00-2	0.037	UG/L	ND	0.0048		ND	0.05		ND	0.05		ND	0.25		ND	0.05		ND	0.05		ND	0.5		0.076	0.05	J
PCB-1016 (Arochlor 1016)	12674-11-2	7.2	UG/L	ND	0.096		ND	1		ND	1		ND	5		ND	1		ND	1		ND	10		ND	1	
PCB-1221 (Arochlor 1221)	11104-28-2	5.2	UG/L	ND	0.11		ND	1.1		ND	1.1		ND	5.5		ND	1.1		ND	1.1		ND	11		ND	1.1	
PCB-1232 (Arochlor 1232)	11141-16-5	5.2	UG/L	ND	0.096		ND	1		ND	1		ND	5		ND	1		ND	1		ND	10		ND	1	
PCB-1242 (Arochlor 1242)	53469-21-9	5.2	UG/L	ND	0.096		ND	1		ND	1		ND	5		ND	1		ND	1		ND	10		ND	1	
PCB-1248 (Arochlor 1248)	12672-29-6	1.4	UG/L	ND	0.096		ND	1		ND	1		ND	5		ND	1		ND	1		ND	10		ND	1	
PCB-1254 (Arochlor 1254)	11097-69-1	1.4	UG/L	ND	0.13		ND	1.4		ND	1.4		ND	7		ND	1.4		ND	1.4		ND	14		ND	1.4	
PCB-1260 (Arochlor 1260)	11096-82-5	4.3	UG/L	ND	0.096		ND	1		ND	1		ND	5		ND	1		ND	1		ND	10		ND	1	
Alpha BHC	319-84-6	0.41	UG/L	ND	0.0019		0.040	0.02	J	0.14	0.02		0.73	0.1		0.63	0.02		0.041	0.02	J	11	0.2		0.13	0.02	
Beta BHC	319-85-7	1.4	UG/L	ND	0.012		ND	0.12		ND	0.12		ND	0.6		5.2	0.6		ND	0.12		56	6		0.57	0.12	
Delta BHC	319-86-8	61	UG/L	ND	0.0037		ND	0.038		0.11	0.038		0.54	0.19		5.3	0.19		0.44	0.038		100	1.9		0.43	0.038	
Gamma BHC - Lindane	58-89-9	0.2	UG/L	ND	0.0019		ND	0.02		ND	0.02		ND	0.1		0.058	0.02	J	ND	0.02		1.3	0.2		ND	0.02	
Chlordane	57-74-9	2	UG/L	ND	0.067		ND	0.7		ND	0.7		ND	3.5		ND	0.7		ND	0.7		ND	7		ND	0.7	
p,p-DDD	72-54-8	2.7	UG/L	0.0059	0.0058	J	0.12	0.06	J	0.79	0.06		8.8	0.3		0.15	0.06	J	1.2	0.06		2.6	0.6		1.7	0.06	
p,p-DDE	72-55-9	7.6	UG/L	0.022	0.0038		ND	0.04		2.9	0.04		30	0.8		0.17	0.04	J	0.11	0.04	J	2.4	0.4		0.72	0.04	
p,p-DDT	50-29-3	5.5	UG/L	0.013	0.0058	J	ND	0.06		0.34	0.06		4.6	0.3		0.089	0.06	J	0.67	0.06		0.98	0.6	J	0.63	0.06	
Dieldrin	60-57-1	0.16	UG/L	ND	0.0096		ND	0.1		ND	0.1		ND	0.5		0.17	0.1	J	ND	0.1		ND	1		7.6	0.5	
Endosulfan I	959-98-8	500	UG/L	ND	0.0019		ND	0.02		ND	0.02		ND	0.1		ND	0.02		ND	0.02		ND	0.2		ND	0.02	
Endosulfan II	33213-65-9	450	UG/L	ND	0.0038		ND	0.04		ND	0.04		ND	0.2		ND	0.04		ND	0.04		ND	0.4		0.097	0.04	J
Endosulfan Sulfate	1031-07-8	120	UG/L	ND	0.0058		ND	0.06		ND	0.06		ND	0.3		ND	0.06		ND	0.06		ND	0.6		ND	0.06	
Endrin	72-20-8	2	UG/L	ND	0.0038		ND	0.04		ND	0.04		ND	0.2		ND	0.04		ND	0.04		ND	0.4		ND	0.04	
Endrin Aldehyde	7421-93-4	NS	UG/L	ND	0.022		ND	0.23		ND	0.23		ND	1.2		ND	0.23		ND	0.23		ND	2.3		ND	0.23	
Heptachlor	76-44-8	0.4	UG/L	ND	0.0019		ND	0.02		ND	0.02		ND	0.1		ND	0.02		ND	0.02		ND	0.2		ND	0.02	
Heptachlor Epoxide	1024-57-3	0.2	UG/L	ND	0.0019		ND	0.02		0.047	0.02	J	ND	0.1		ND	0.02		ND	0.02		ND	0.2		ND	0.02	
Methoxychlor	72-43-5	40	UG/L	ND	0.029		ND	0.3		ND	0.3		ND	1.5		ND	0.3		ND	0.3		ND	3		ND	0.3	
Toxaphene	8001-35-2	3	UG/L	ND	0.29		ND	3		ND	3		ND	15		ND	3		ND	3		ND	30		ND	3	



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-053 05-MET-053 08/23/05 0-15 1			05-MET-055 05-MET-055 08/23/05 0-15 1			05-MET-056 05-MET-056 08/23/05 0-16 10, 50			05-MET-058 05-MET-058 08/16/05 1.5-16.5 20			05-MET-059 05-MET-059 08/17/05 5-20 40			05-MET-062 05-MET-062 08/15/05 0-7 100			05-MET-065 05-MET-065 08/15/05 0-17 20			05-MET-066 05-MET-066 08/16/05 5-15 20		
	CAS #	Non-Residential	Units	Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier		
Pesticides/PCBs																											
Aldrin	309-00-2	0.037	UG/L	ND	0.05		ND	0.05		ND	0.5		ND	1		ND	2		ND	5		ND	1		ND	1	
PCB-1016 (Arochlor 1016)	12674-11-2	7.2	UG/L	ND	1		ND	1		ND	10		ND	20		ND	40		ND	100		ND	20		ND	20	
PCB-1221 (Arochlor 1221)	11104-28-2	5.2	UG/L	ND	1.1		ND	1.1		ND	11		ND	22		ND	44		ND	110		ND	22		ND	22	
PCB-1232 (Arochlor 1232)	11141-16-5	5.2	UG/L	ND	1		ND	1		ND	10		ND	20		ND	40		ND	100		ND	20		ND	20	
PCB-1242 (Arochlor 1242)	53469-21-9	5.2	UG/L	ND	1		ND	1		ND	10		ND	20		ND	40		ND	100		ND	20		ND	20	
PCB-1248 (Arochlor 1248)	12672-29-6	1.4	UG/L	ND	1		ND	1		ND	10		130	20		ND	40		ND	100		ND	20		ND	20	
PCB-1254 (Arochlor 1254)	11097-69-1	1.4	UG/L	ND	1.4		ND	1.4		ND	14		77	28	J	ND	56		ND	140		ND	28		ND	28	
PCB-1260 (Arochlor 1260)	11096-82-5	4.3	UG/L	ND	1		ND	1		ND	10		39	20	J	ND	40		2500	100		28	20	J	ND	20	
Alpha BHC	319-84-6	0.41	UG/L	ND	0.02		ND	0.02		ND	0.2		ND	0.4		ND	0.8		ND	2		ND	0.4		ND	0.4	
Beta BHC	319-85-7	1.4	UG/L	ND	0.12		ND	0.12		ND	1.2		ND	2.4		ND	4.8		ND	12		ND	2.4		ND	2.4	
Delta BHC	319-86-8	61	UG/L	0.049	0.038	J	ND	0.038		ND	0.38		ND	0.76		ND	1.5		ND	3.8		ND	0.76		ND	0.76	
Gamma BHC - Lindane	58-89-9	0.2	UG/L	ND	0.02		ND	0.02		ND	0.2		ND	0.4		ND	0.8		ND	2		ND	0.4		ND	0.4	
Chlordane	57-74-9	2	UG/L	ND	0.7		ND	0.7		ND	7		ND	14		ND	28		ND	70		ND	14		ND	14	
p,p-DDD	72-54-8	2.7	UG/L	0.41	0.06		0.24	0.06		14	0.6		ND	1.2		ND	2.4		ND	6		ND	1.2		ND	1.2	
p,p-DDE	72-55-9	7.6	UG/L	0.20	0.04		0.11	0.04	J	1.4	0.4	J	ND	3.9		ND	1.6		ND	4		ND	0.8		ND	0.8	
p,p-DDT	50-29-3	5.5	UG/L	0.50	0.06		0.19	0.06	J	120	3		ND	1.2		ND	2.4		ND	6		ND	1.2		ND	1.2	
Dieldrin	60-57-1	0.16	UG/L	0.56	0.1		ND	0.1		ND	1		ND	3.3		ND	4		ND	10		ND	2		ND	2	
Endosulfan I	959-98-8	500	UG/L	ND	0.02		ND	0.02		ND	0.2		ND	0.4		ND	0.8		ND	2		ND	0.4		ND	0.4	
Endosulfan II	33213-65-9	450	UG/L	ND	0.04		ND	0.04		ND	0.4		ND	0.8		ND	1.6		ND	4		ND	0.8		ND	0.8	
Endosulfan Sulfate	1031-07-8	120	UG/L	ND	0.06		ND	0.06		ND	0.6		ND	1.2		ND	2.4		ND	6		ND	1.2		ND	1.2	
Endrin	72-20-8	2	UG/L	ND	0.04		ND	0.04		ND	0.4		ND	0.8		ND	1.6		ND	20		ND	0.8		ND	0.8	
Endrin Aldehyde	7421-93-4	NS	UG/L	ND	0.23		ND	0.23		ND	2.3		ND	4.6		ND	9.2		ND	100		ND	4.6		ND	4.6	
Heptachlor	76-44-8	0.4	UG/L	ND	0.02		ND	0.02		ND	0.2		ND	0.4		ND	0.8		ND	2		ND	0.4		ND	0.4	
Heptachlor Epoxide	1024-57-3	0.2	UG/L	ND	0.02		ND	0.02		ND	0.2		ND	0.4		ND	0.8		ND	2		ND	0.4		ND	0.4	
Methoxychlor	72-43-5	40	UG/L	ND	0.3		ND	0.3		ND	3		ND	6		ND	12		ND	30		ND	6		ND	6	
Toxaphene	8001-35-2	3	UG/L	ND	3		ND	3		ND	30		ND	60		ND	120		ND	300		ND	60		ND	60	
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-071 05-MET-071 08/22/05 2-12 10			05-MET-072 05-MET-072 08/22/05 0-10 1			05-MET-075 05-MET-075 08/22/05 2-12 5			05-MET-079 05-MET-079 08/17/05 0-12 10			05-MET-079 05-MET-079A 08/17/05 0-12 10			05-MET-080 05-MET-080 08/17/05 0-12 10			05-MET-084 05-MET-084 08/12/05 0-10 10			05-MET-086 05-MET-086 08/12/05 0-10 10		
	CAS #	Non-Residential	Units	Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier			Detection Result Limit Qualifier		
Pesticides/PCBs																											
Aldrin	309-00-2	0.037	UG/L	ND	0.5		ND	0.05		ND	0.25		ND	0.5		ND	0.5		ND	0.5		ND	0.5		ND	0.5	
PCB-1016 (Arochlor 1016)	12674-11-2	7.2	UG/L	ND	10		ND	1		ND	5		ND	10		ND	10		ND	10		ND	10		ND	10	
PCB-1221 (Arochlor 1221)	11104-28-2	5.2	UG/L	ND	11		ND	1.1		ND	5.5		ND	11		ND	11		ND	11		ND	11		ND	11	
PCB-1232 (Arochlor 1232)	11141-16-5	5.2	UG/L	ND	10		ND	1		ND	5		ND	10		ND	10		ND	10		ND	10		ND	10	
PCB-1242 (Arochlor 1242)	53469-21-9	5.2	UG/L	ND	10		ND	1		ND	5		ND	10		ND	10		ND	10		ND	10		ND	10	
PCB-1248 (Arochlor 1248)	12672-29-6	1.4	UG/L	ND	50		5.7	1		120	5		71	10		95	10		53	10		ND	50		20	10	J
PCB-1254 (Arochlor 1254)	11097-69-1	1.4	UG/L	210	14		20	1.4		90	7		120	14		150	14		78	14		24	14	J	42	14	J
PCB-1260 (Arochlor 1260)	11096-82-5	4.3	UG/L	ND	50		17	1		58	5		150	10		180	10		51	10		51	10		14	10	J
Alpha BHC	319-84-6	0.41	UG/L	ND	0.2		ND	0.02		ND	0.1		ND	0.2		ND	0.2		ND	0.33		ND	0.2		ND	0.2	
Beta BHC	319-85-7	1.4	UG/L	ND	1.2		ND	0.12		ND	0.6		ND	1.2		ND	1.2		ND	1.2		ND	1.2		ND	1.2	
Delta BHC	319-86-8	61	UG/L	ND	0.38		ND	0.038		ND	0.19		ND	1		ND	0.38		ND	0.66		ND	0.38		ND	0.38	
Gamma BHC - Lindane	58-89-9	0.2	UG/L	ND	0.2		ND	0.02		ND	0.1		ND	0.2		ND	0.2		ND	0.2		ND	0.2		ND	0.2	
Chlordane	57-74-9	2	UG/L	ND	7		ND	0.7		ND	3.5		ND	7		ND	7		ND	7		ND	7		ND	7	
p,p-DDD	72-54-8	2.7	UG/L	ND	13		ND	0.06		ND	8.9		ND	0.6		ND	0.6		ND	0.6		ND	5.7		ND	0.6	
p,p-DDE	72-55-9	7.6	UG/L	ND	5.2		ND	0.72		ND	3.3		ND	3.5		ND	4.2		ND	2.6		ND	2.8		ND	2	
p,p-DDT	50-29-3	5.5	UG/L	ND	21		ND	0.06		ND	0.3		ND	0.6													



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-087 05-MET-087 08/11/05 0-7 10			05-MET-089 05-MET-089 08/12/05 0-10 1			05-MET-090 05-MET-090 08/12/05 0-10 1			05-MET-092 05-MET-092 08/09/05 3-13 5			05-MET-093 05-MET-093 08/11/05 2-12 10, 50			05-MET-094 05-MET-094 08/11/05 0-7 10			05-MET-095 05-MET-095 08/10/05 3-13 1			05-MET-096 05-MET-096 08/10/05 5-15 5		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>Pesticides/PCBs</b>																											
Aldrin	309-00-2	0.037	UG/L	ND	0.5		ND	0.05		ND	0.0048		ND	0.25		ND	0.5		ND	0.5		ND	0.05		ND	0.25	
PCB-1016 (Arochlor 1016)	12674-11-2	7.2	UG/L	ND	10		ND	1		ND	0.096		ND	5		ND	50		ND	10		ND	1		ND	5	
PCB-1221 (Arochlor 1221)	11104-28-2	5.2	UG/L	ND	11		ND	1.1		ND	0.11		ND	5.5		ND	55		ND	11		ND	1.1		ND	5.5	
PCB-1232 (Arochlor 1232)	11141-16-5	5.2	UG/L	ND	10		ND	1		ND	0.096		ND	5		ND	50		ND	10		ND	1		ND	5	
PCB-1242 (Arochlor 1242)	53469-21-9	5.2	UG/L	ND	10		ND	1		ND	0.096		ND	5		ND	50		ND	10		ND	1		ND	5	
PCB-1248 (Arochlor 1248)	12672-29-6	1.4	UG/L	ND	50		2.2	1	J	ND	0.48		ND	51		480	50		ND	50		ND	1		58	5	
PCB-1254 (Arochlor 1254)	11097-69-1	1.4	UG/L	ND	50		3.2	1.4	J	ND	0.48		150	7		350	70		ND	50		ND	1.4		52	7	
PCB-1260 (Arochlor 1260)	11096-82-5	4.3	UG/L	ND	50		2.6	1	J	ND	0.48		35	5		150	50	J	ND	50		ND	1		37	5	
Alpha BHC	319-84-6	0.41	UG/L	ND	0.2		ND	0.02		ND	0.0019		ND	0.1		ND	0.2		ND	0.2		ND	0.02		ND	0.1	
Beta BHC	319-85-7	1.4	UG/L	ND	1.2		ND	0.12		0.046	0.012		ND	0.6		2.6	1.2	J	ND	1.2		ND	0.12		ND	0.6	
Delta BHC	319-86-8	61	UG/L	ND	0.38		ND	0.1		0.032	0.0037		ND	0.19		ND	0.38		ND	0.38		ND	0.038		ND	0.19	
Gamma BHC - Lindane	58-89-9	0.2	UG/L	ND	0.2		ND	0.02		ND	0.0019		ND	0.1		ND	0.2		ND	0.2		ND	0.02		ND	0.1	
Chlordane	57-74-9	2	UG/L	ND	7		ND	0.7		ND	0.067		130	3.5		ND	35		ND	7		ND	0.7		ND	3.5	
p,p-DDD	72-54-8	2.7	UG/L	ND	0.6		ND	0.06		ND	0.0058		ND	0.3		ND	0.6		ND	0.6		ND	0.06		ND	0.3	
p,p-DDE	72-55-9	7.6	UG/L	ND	0.4		ND	0.2		0.013	0.0039	J	ND	12		15	0.4		0.66	0.4	J	0.18	0.04	J	ND	2.1	
p,p-DDT	50-29-3	5.5	UG/L	ND	0.6		ND	0.06		ND	0.0058		ND	0.3		ND	0.6		0.97	0.6	J	ND	0.06		ND	0.3	
Dieldrin	60-57-1	0.16	UG/L	ND	1		ND	0.1		ND	0.0096		ND	3.8		ND	1		ND	1		ND	0.1		ND	2.1	
Endosulfan I	959-98-8	500	UG/L	ND	0.2		ND	0.02		0.0086	0.0019	J	ND	0.1		ND	0.2		ND	0.2		ND	0.02		ND	0.1	
Endosulfan II	33213-65-9	450	UG/L	ND	0.4		ND	0.04		0.029	0.0039		ND	0.2		ND	0.4		ND	0.4		0.051	0.04	J	ND	0.2	
Endosulfan Sulfate	1031-07-8	120	UG/L	ND	0.6		ND	0.06		ND	0.0058		ND	0.3		ND	0.6		ND	0.6		ND	0.06		ND	0.3	
Endrin	72-20-8	2	UG/L	ND	0.4		ND	0.04		0.011	0.0039	J	ND	0.2		ND	0.4		ND	0.4		ND	0.04		ND	0.2	
Endrin Aldehyde	7421-93-4	NS	UG/L	ND	2.3		ND	0.23		ND	0.022		ND	1.2		ND	2.3		ND	2.3		ND	0.23		ND	1.2	
Heptachlor	76-44-8	0.4	UG/L	ND	0.2		ND	0.02		0.0074	0.0019	J	ND	0.1		ND	0.2		ND	0.2		ND	0.02		ND	0.1	
Heptachlor Epoxide	1024-57-3	0.2	UG/L	ND	0.2		ND	0.02		ND	0.0019		ND	0.1		0.96	0.2	J	ND	0.2		ND	0.02		ND	0.1	
Methoxychlor	72-43-5	40	UG/L	ND	3		ND	0.3		ND	0.029		ND	1.5		ND	3		ND	3		ND	0.3		ND	1.5	
Toxaphene	8001-35-2	3	UG/L	ND	30		ND	3		ND	0.29		ND	15		ND	150		ND	30		ND	3		ND	15	
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-098 05-MET-098 08/12/05 0-17 10			05-MET-099 05-MET-099 08/09/05 3-13 5			05-MET-101 05-MET-101 08/10/05 4-14 5			05-MET-103 05-MET-103 08/11/05 0-19 20			05-MET-104 05-MET-104 08/11/05 0-16 20			05-MET-105 05-MET-105 08/09/05 5-15 5			05-MET-107 05-MET-107 08/10/05 0-10 50			05-MET-107 05-MET-107A 08/10/05 0-10 25		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>Pesticides/PCBs</b>																											
Aldrin	309-00-2	0.037	UG/L	ND	0.5		ND	0.25		ND	0.25		ND	1		ND	2		ND	0.25		ND	2.5		ND	1.3	
PCB-1016 (Arochlor 1016)	12674-11-2	7.2	UG/L	ND	10		ND	5		ND	5		ND	20		ND	40		ND	5		ND	50		ND	25	
PCB-1221 (Arochlor 1221)	11104-28-2	5.2	UG/L	ND	11		ND	5.5		ND	5.5		ND	22		ND	44		ND	5.5		ND	55		ND	28	
PCB-1232 (Arochlor 1232)	11141-16-5	5.2	UG/L	ND	10		ND	5		ND	5		ND	20		ND	40		ND	5		ND	50		ND	25	
PCB-1242 (Arochlor 1242)	53469-21-9	5.2	UG/L	ND	10		ND	5		ND	5		ND	20		ND	40		ND	5		ND	50		ND	25	
PCB-1248 (Arochlor 1248)	12672-29-6	1.4	UG/L	13	10	J	70	5		38	5		310	20		ND	40		85	5		ND	250		ND	25	
PCB-1254 (Arochlor 1254)	11097-69-1	1.4	UG/L	45	14	J	53	7		31	7		140	28		ND	56		100	7		550	70		190	35	
PCB-1260 (Arochlor 1260)	11096-82-5	4.3	UG/L	74	10		37	5		18	5	J	ND	20		270	40		180	5		1600	50		700	25	
Alpha BHC	319-84-6	0.41	UG/L	ND	0.2		ND	0.1		ND	0.1		ND	0.4		ND	0.8		ND	0.1		ND	1		ND	0.5	
Beta BHC	319-85-7	1.4	UG/L	ND	1.2		ND	0.6		ND	0.6		ND	2.4		ND	4.8		ND	0.6		ND	6		ND	3	
Delta BHC	319-86-8	61	UG/L	ND	0.38		ND	0.19		ND	0.19		ND	0.76		ND	1.5		ND	0.19		ND	1.9		ND	0.95	
Gamma BHC - Lindane	58-89-9	0.2	UG/L	ND	0.2		ND	0.1		ND	0.1		ND	0.4		ND	0.8		ND	0.1		ND	1		ND	0.5	
Chlordane	57-74-9	2	UG/L	ND	7		ND	3.5		ND	25		ND	14		280	28		ND	3.5		ND	35		ND	18	
p,p-DDD	72-54-8	2.7	UG/L	ND	0.6		ND	0.3		ND	0.3		ND	1.2		ND	2.4		ND	0.3		ND	3		ND	1.5	
p,p-DDE	72-55-9	7.6	UG/L	ND	2		ND	5.1		4.8	0.2		9.8	0.8		17	1.6		ND	2.7		ND	20		ND	6.8	
p,p-DDT	50-29-3	5.5	UG/L	ND	0.6		ND	0.3		ND	0.3		4.0	1.2		ND	2.4		ND	0.3		ND	3		ND	1.5	
Dieldrin	60-57-1	0.16	UG/L	ND	3		ND	1.5		ND	1.5		ND	2		ND	4		ND	2.2		ND	16		ND	7.5	
Endosulfan I	959-98-8	500	UG/L	ND	0.2		ND	0.1		ND	0.1		ND	0.4		ND	0.8		ND	0.1		ND	1		ND	0.5	
Endosulfan II	33213-65-9	450	UG/L	ND	0.4		ND	0.2		ND	0.2		ND	0.8		4.2	1.6	J	ND	0.2		ND	2		ND	1	
Endosulfan Sulfate	1031-07-8	120	UG/L	ND	0.6		ND	0.3		ND	0.3		ND	1.2		ND	2.4		ND	0.3		ND	3		ND	1.5	
Endrin	72-20-8	2	UG/L	ND	0.4		ND	0.2		ND	0.2		1.9	0.8	J	3.6	1.6	J	ND	0.2		ND	2		ND	1	
Endrin Aldehyde	7421-93-4	NS	UG/L	ND	2.3		ND	1.2		ND	1.2		ND	4.6		ND	9.2		ND	5		ND	50		ND	25	
Heptachlor	76-44-8	0.4	UG/L	ND	0.2		ND	0.1		ND	0.1		ND	0.4		ND	0.8		ND	0.1		ND	1		ND	0.5	
Heptachlor Epoxide	1024-57-3	0.2	UG/L	ND	0.2		ND	0.1		ND	0.5		ND	0.4		ND	0.8		ND	0.1		ND	5		ND	0.5	
Methoxychlor	72-43-5	40	UG/L	ND	3		ND	1.5		ND	1.5		ND	6		ND	12		ND	1.5		ND	15		ND	7.5	
Toxaphene	8001-35-2	3	UG/L	ND	30		ND	15		ND	15		ND	60		ND	120		ND	15		ND	150		ND	75	



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-110 05-MET-110 08/09/05 0.5-16 200			05-MET-111 05-MET-111 08/10/05 5-15 50			05-MET-114 05-MET-114 08/08/05 0-20 100			05-MET-115 05-MET-115 08/09/05 0-19 50			05-MET-119 05-MET-119 08/11/05 2-12 20			05-MET-121 05-MET-121 08/10/05 0-15 10			05-MET-123 05-MET-123 08/09/05 7-17 10			05-MET-125 05-MET-125 08/10/05 0-16 5		
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Pesticides/PCBs																											
Aldrin	309-00-2	0.037	UG/L	ND	10		ND	2.5		ND	5		ND	2.5		ND	2		ND	0.5		ND	0.5		ND	0.25	
PCB-1016 (Arochlor 1016)	12674-11-2	7.2	UG/L	ND	200		ND	50		ND	100		ND	50		ND	40		ND	10		ND	10		ND	5	
PCB-1221 (Arochlor 1221)	11104-28-2	5.2	UG/L	ND	220		ND	55		ND	110		ND	55		ND	44		ND	11		ND	11		ND	5.5	
PCB-1232 (Arochlor 1232)	11141-16-5	5.2	UG/L	ND	200		ND	50		ND	100		ND	50		ND	40		ND	10		ND	10		ND	5	
PCB-1242 (Arochlor 1242)	53469-21-9	5.2	UG/L	ND	200		ND	50		ND	100		ND	50		ND	40		ND	10		ND	10		ND	5	
PCB-1248 (Arochlor 1248)	12672-29-6	1.4	UG/L	3700	200		1200	50		1100	100		1300	50		ND	40		ND	10		ND	10		ND	5	
PCB-1254 (Arochlor 1254)	11097-69-1	1.4	UG/L	3100	280		640	70		1700	140		1600	70		ND	56		ND	14		ND	14		ND	7	
PCB-1260 (Arochlor 1260)	11096-82-5	4.3	UG/L	2600	200		350	50		6400	100		1600	50		570	40		ND	10		14	10	J	ND	5	
Alpha BHC	319-84-6	0.41	UG/L	ND	4		ND	1		ND	2		ND	1		ND	0.8		ND	0.2		ND	0.2		ND	0.1	
Beta BHC	319-85-7	1.4	UG/L	ND	24		ND	6		ND	12		ND	6		ND	4.8		ND	1.2		ND	1.2		ND	0.6	
Delta BHC	319-86-8	61	UG/L	ND	7.6		ND	1.9		ND	3.8		ND	1.9		ND	1.5		ND	0.38		ND	0.38		ND	0.19	
Gamma BHC - Lindane	58-89-9	0.2	UG/L	ND	4		ND	1		ND	2		1.1	1	J	ND	0.8		ND	0.2		ND	0.2		ND	0.1	
Chlordane	57-74-9	2	UG/L	ND	140		ND	250		ND	70		ND	35		68	28	J	ND	7		ND	7		ND	3.5	
p,p-DDD	72-54-8	2.7	UG/L	ND	12		ND	3		ND	6		ND	3		ND	2.4		ND	0.6		ND	0.6		ND	0.3	
p,p-DDE	72-55-9	7.6	UG/L	ND	140		ND	34		ND	19		ND	120		31	1.6		ND	0.4		ND	2		1.4	0.2	
p,p-DDT	50-29-3	5.5	UG/L	ND	12		ND	3		ND	6		ND	3		ND	2.4		ND	0.6		ND	2		0.56	0.3	J
Dieldrin	60-57-1	0.16	UG/L	ND	81		ND	15		ND	10		ND	53		6.0	4	J	ND	1		ND	1		ND	0.5	
Endosulfan I	959-98-8	500	UG/L	ND	4		ND	1		ND	2		ND	1		ND	0.8		0.33	0.2	J	ND	0.2		0.48	0.1	J
Endosulfan II	33213-65-9	450	UG/L	ND	8		ND	2		ND	6.7		ND	2		3.1	1.6	J	ND	0.4		ND	0.4		ND	0.2	
Endosulfan Sulfate	1031-07-8	120	UG/L	ND	12		ND	3		ND	6		ND	3		ND	2.4		ND	0.6		ND	0.6		ND	0.3	
Endrin	72-20-8	2	UG/L	ND	8		ND	2		ND	33		ND	2		ND	1.6		0.67	0.4	J	ND	0.4		1.0	0.2	
Endrin Aldehyde	7421-93-4	NS	UG/L	ND	46		ND	12		ND	94		ND	50		12	9.2	J	ND	2.3		ND	2.3		ND	1.2	
Heptachlor	76-44-8	0.4	UG/L	ND	4		ND	1		ND	6.7		ND	1		ND	0.8		ND	0.2		ND	0.2		ND	0.1	
Heptachlor Epoxide	1024-57-3	0.2	UG/L	ND	4		ND	1		ND	4.5		ND	5		1.1	0.8	J	ND	0.2		ND	0.2		ND	0.1	
Methoxychlor	72-43-5	40	UG/L	ND	60		ND	15		ND	30		ND	15		ND	12		ND	3		ND	3		ND	1.5	
Toxaphene	8001-35-2	3	UG/L	ND	600		ND	150		ND	300		ND	150		ND	120		ND	30		ND	30		ND	15	
	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-126 05-MET-126 08/10/05 0.5-15.5 5			05-MET-129 05-MET-129 08/22/05 2-12 10, 50			05-MET-130 05-MET-130 08/17/05 0-15 10			05-MET-132 05-MET-132 08/16/05 0-16 1			05-MET-134 05-MET-134 08/23/05 10-20 1			05-MET-135 05-MET-135 08/23/05 1-21 1								
	CAS #	Non-Residential	Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier						
Pesticides/PCBs																											
Aldrin	309-00-2	0.037	UG/L	ND	0.25		ND	0.5		ND	0.5		ND	0.05		ND	0.0048		ND	0.05							
PCB-1016 (Arochlor 1016)	12674-11-2	7.2	UG/L	ND	5		ND	10		ND	10		ND	1		ND	0.096		ND	1							
PCB-1221 (Arochlor 1221)	11104-28-2	5.2	UG/L	ND	5.5		ND	11		ND	11		ND	1.1		ND	0.11		ND	1.1							
PCB-1232 (Arochlor 1232)	11141-16-5	5.2	UG/L	ND	5		ND	10		ND	10		ND	1		ND	0.096		ND	1							
PCB-1242 (Arochlor 1242)	53469-21-9	5.2	UG/L	ND	5		ND	10		ND	10		ND	1		ND	0.096		ND	1							
PCB-1248 (Arochlor 1248)	12672-29-6	1.4	UG/L	ND	5		ND	10		19	10	J	ND	1		0.50	0.096		ND	1							
PCB-1254 (Arochlor 1254)	11097-69-1	1.4	UG/L	ND	7		ND	14		32	14	J	ND	1.4		0.32	0.14	J	ND	1.4							
PCB-1260 (Arochlor 1260)	11096-82-5	4.3	UG/L	ND	5		540	50		24	10	J	ND	1		ND	0.096		ND	1							
Alpha BHC	319-84-6	0.41	UG/L	ND	0.1		1.1	0.2		ND	0.2		ND	0.02		ND	0.0019		ND	0.02							
Beta BHC	319-85-7	1.4	UG/L	ND	0.6		ND	1.2		ND	1.2		ND	0.12		ND	0.012		ND	0.12							
Delta BHC	319-86-8	61	UG/L	ND	0.19		ND	0.38		ND	0.38		ND	0.038		ND	0.0037		ND	0.038							
Gamma BHC - Lindane	58-89-9	0.2	UG/L	ND	0.1		0.47	0.2	J	ND	0.2		ND	0.02		ND	0.0019		ND	0.02							
Chlordane	57-74-9	2	UG/L	ND	3.5		ND	7		ND	7		ND	0.7		ND	0.068		ND	0.7							
p,p-DDD	72-54-8	2.7	UG/L	ND	0.3		ND	0.6		ND	0.6		ND	0.06		ND	0.0058		0.18	0.06	J						
p,p-DDE	72-55-9	7.6	UG/L	ND	0.2		ND	2.3		ND	2.3		0.041	0.04	J	ND	0.019		0.17	0.04	J						
p,p-DDT	50-29-3	5.5	UG/L	ND	0.3		ND	21		ND	5.1		0.59	0.06		ND	0.019		1.9	0.06							
Dieldrin	60-57-1	0.16	UG/L	ND	0.5		ND	3		ND	1		ND	0.1		ND	0.0096		ND	0.1							
Endosulfan I	959-98-8	500	UG/L	ND	0.1		ND	0.2		ND	0.2		ND	0.02		ND	0.0019		ND	0.02							
Endosulfan II	33213-65-9	450	UG/L	ND	0.2		ND	0.4		ND	0.4		ND	0.04		ND	0.0039		ND	0.04							
Endosulfan Sulfate	1031-07-8	120	UG/L	ND	0.3		ND	0.6		ND	0.6		ND	0.06		ND	0.0058		ND	0.06							
Endrin	72-20-8	2	UG/L	ND	0.2		ND	0.4		ND	0.4		ND	0.04		ND	0.0039		ND	0.04							
Endrin Aldehyde	7421-93-4	NS	UG/L	ND	1.2		ND	2.3		ND	2.3		ND	0.23		ND	0.022		ND	0.23							
Heptachlor	76-44-8	0.4	UG/L	ND	0.1		ND	0.2		ND	0.2		ND	0.02		ND	0.0019		ND	0.02							
Heptachlor Epoxide	1024-57-3	0.2	UG/L	ND	0.1																						



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-002 05-MET-002 08/17/05 0-12 1			05-MET-004 05-MET-004 08/16/05 0-16 1			05-MET-007 05-MET-007 08/15/05 0-10 1			05-MET-007 05-MET-007A 08/15/05 0-10 1			05-MET-009 05-MET-009 08/15/05 0-15 1			05-MET-011 05-MET-011 08/16/05 0-12 1			05-MET-014 05-MET-014 08/15/05 0-10 1			05-MET-015 05-MET-015 08/15/05 0-15 1		
	CAS #	Non-Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Total Metals																											
Antimony	7440-36-0	6	UG/L	7.5	6.4	J	8.7	6.4	J	7.0	6.4	J	ND	6.4		ND	32		45.4	6.4		ND	6.4		ND	32	
Arsenic	7440-38-2	50	UG/L	59.0	9.3		107	9.3		59.0	9.3		26.0	9.3		100	46.5		635	9.3		95.4	9.3		294	46.5	
Beryllium	7440-41-7	4	UG/L	9.4	0.44		26.4	0.44	J	3.5	0.44	J	1.1	0.44	J	42.8	2.2		84.5	0.44		19.8	0.44		65.9	2.2	
Cadmium	7440-43-9	5	UG/L	9.0	0.97		ND	9.7		8.5	0.97		2.1	0.97	J	ND	4.9		ND	24.3		ND	4.9		49.8	19.4	J
Chromium	7440-47-3	100	UG/L	487	4.8		992	4.8		172	4.8		70.5	4.8		707	24		2570	4.8		823	4.8		2700	24	
Copper	7440-50-8	1000	UG/L	312	1.8		472	1.8		108	1.8		55.2	1.8		532	9		1330	1.8		543	1.8		1420	9	
Lead	7439-92-1	5	UG/L	444	8.4		302	8.4		654	8.4		238	8.4		1330	42		1770	8.4		2010	8.4		1950	42	
Mercury	7439-97-6	2	UG/L	1.2	0.31		1.6	0.62	J	ND	0.62		ND	0.062		8.4	3.1	J	4.5	3.1	J	15.3	3.1		7.0	3.1	J
Nickel	7440-02-0	100	UG/L	585	5.8		529	5.8		91.4	5.8		33.7	5.8		966	29		1490	5.8		347	5.8		1350	29	
Selenium	7782-49-2	50	UG/L	19.2	9.4	J	38.7	9.4		ND	9.4		ND	9.4		ND	47		182	9.4		12.5	9.4	J	75.7	47	J
Silver	7440-22-4	100	UG/L	ND	2		ND	2		ND	2		ND	2		ND	10		ND	2		4.8	2	J	ND	10	
Thallium	7440-28-0	2	UG/L	12.6	10	J	82.1	10		10.6	10	J	13.9	10	J	158	50		302	50		68.7	10		253	100	
Zinc	7440-66-6	2000	UG/L	708	5.3		1150	5.3		768	5.3		243	5.3		ND	26.5		3920	26.5		3370	5.3		36600	26.5	
Dissolved Metals																											
Antimony	7440-36-0	6	UG/L	ND	6.4		ND	6.4		11.7	6.4	J	ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4	
Arsenic	7440-38-2	50	UG/L	ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		11.0	9.3	J
Beryllium	7440-41-7	4	UG/L	ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44	
Cadmium	7440-43-9	5	UG/L	ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97	
Chromium	7440-47-3	100	UG/L	ND	4.8		ND	4.8		ND	4.8		ND	4.8		ND	4.8		ND	4.8		ND	4.8		ND	4.8	
Copper	7440-50-8	1000	UG/L	2.0	1.8	J	ND	1.8		ND	1.8		ND	1.8		ND	1.8		2.6	1.8	J	ND	1.8		ND	1.8	
Lead	7439-92-1	5	UG/L	ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4	
Mercury	7439-97-6	2	UG/L	ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.062	
Nickel	7440-02-0	100	UG/L	11.3	5.8		13.0	5.8		11.3	5.8		ND	5.8		7.3	5.8	J	19.5	5.8		ND	5.8		ND	5.8	
Selenium	7782-49-2	50	UG/L	ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4	
Silver	7440-22-4	100	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10	
Zinc	7440-66-6	2000	UG/L	5.4	5.3	J	ND	5.3		ND	5.3		ND	5.3		6.2	5.3	J	9.1	5.3	J	ND	5.3		87.2	5.3	



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-018 05-MET-018 08/16/05 0-16 1			05-MET-019 05-MET-019 08/12/05 0-10 1			05-MET-022 05-MET-022 08/15/05 0-12 1			05-MET-023 05-MET-023 08/15/05 0-10 1			05-MET-026 05-MET-026 08/17/05 0-10 1			05-MET-027 05-MET-027 08/19/05 5-20 1			05-MET-029 05-MET-029 08/18/05 0-15 1			05-MET-030 05-MET-030 08/18/05 0-9 1		
	CAS #	Non-Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Total Metals																											
Antimony	7440-36-0	6	UG/L	9.1	6.4	J	177	6.4		9.5	6.4	J	ND	6.4		ND	6.4		ND	6.4		56.6	6.4		ND	6.4	
Arsenic	7440-38-2	50	UG/L	77.8	9.3		858	9.3		307	9.3		126	9.3		32.9	9.3		62.1	9.3		691	9.3		90.6	9.3	
Beryllium	7440-41-7	4	UG/L	10.5	0.44		41.4	0.44		32.4	0.44		27.8	0.44		2.3	0.44	J	14.2	0.44		230	0.44		14.3	0.44	
Cadmium	7440-43-9	5	UG/L	ND	0.97		133	0.97		ND	4.9		ND	4.9		2.8	0.97	J	ND	4.9		152	0.97		9.2	0.97	
Chromium	7440-47-3	100	UG/L	319	4.8		2670	4.8		654	4.8		628	4.8		71.7	4.8		166	4.8		6150	4.8		569	4.8	
Copper	7440-50-8	1000	UG/L	192	1.8		4090	1.8		244	1.8		357	1.8		43.3	1.8		58.4	1.8		3230	1.8		330	1.8	
Lead	7439-92-1	5	UG/L	381	8.4		14900	8.4		178	8.4		907	8.4		139	8.4		45.2	8.4		4640	8.4		719	8.4	
Mercury	7439-97-6	2	UG/L	2.3	0.62		13.9	3.1		ND	0.62		1.4	0.62	J	0.89	0.62	J	ND	1.2		11.1	0.62		5.4	0.31	
Nickel	7440-02-0	100	UG/L	177	5.8		1320	5.8		361	5.8		682	5.8		54.8	5.8		105	5.8		2720	5.8		300	5.8	
Selenium	7782-49-2	50	UG/L	13.7	9.4	J	119	9.4		33.6	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		9.9	9.4	J
Silver	7440-22-4	100	UG/L	ND	2		ND	2		5.0	2		3.1	2	J	ND	2		ND	2		2.0	2	J	13.4	2	
Thallium	7440-28-0	2	UG/L	32.2	10		124	10		94.5	10		30.2	10		ND	10		ND	10		124	10		22.2	10	
Zinc	7440-66-6	2000	UG/L	639	5.3		11900	5.3		927	5.3		15800	26.5		714	5.3		509	5.3		14000	5.3		1290	5.3	
Dissolved Metals																											
Antimony	7440-36-0	6	UG/L	ND	6.4		ND	6.4		ND	6.4		6.5	6.4	J	ND	6.4		ND	6.4		ND	6.4		ND	6.4	
Arsenic	7440-38-2	50	UG/L	ND	9.3		ND	9.3		95.3	9.3		ND	9.3		ND	9.3		63.5	9.3		ND	9.3		ND	9.3	
Beryllium	7440-41-7	4	UG/L	ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44	
Cadmium	7440-43-9	5	UG/L	ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97	
Chromium	7440-47-3	100	UG/L	ND	4.8		ND	4.8		ND	4.8		ND	4.8		ND	4.8		ND	4.8		ND	4.8		ND	4.8	
Copper	7440-50-8	1000	UG/L	ND	1.8		2.8	1.8	J	ND	1.8		ND	1.8		2.7	1.8	J	ND	1.8		2.3	1.8	J	ND	1.8	
Lead	7439-92-1	5	UG/L	ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4	
Mercury	7439-97-6	2	UG/L	ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.062	
Nickel	7440-02-0	100	UG/L	18.7	5.8		ND	5.8		7.1	5.8	J	ND	5.8		12.7	5.8		6.5	5.8	J	12.2	5.8		ND	5.8	
Selenium	7782-49-2	50	UG/L	ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4	
Silver	7440-22-4	100	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10	
Zinc	7440-66-6	2000	UG/L	11.5	5.3	J	ND	5.3		ND	5.3		ND	5.3		32.7	5.3		13.6	5.3	J	15.1	5.3	J	14.4	5.3	J



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-031 05-MET-031 08/11/05 0-15 1			05-MET-032 05-MET-032 08/11/05 0-15 1			05-MET-033 05-MET-033 08/11/05 0-12 1			05-MET-034 05-MET-034 08/18/05 0-17 1			05-MET-035 05-MET-035 08/18/05 5-15 1			05-MET-036 05-MET-036 08/18/05 5-15 1, 5			05-MET-037 05-MET-037 08/19/05 0-15 1, 5			05-MET-039 05-MET-039 08/19/05 0-12 1, 5		
	CAS #	Non-Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Total Metals																											
Antimony	7440-36-0	6	UG/L	7.5	6.4	J	112	32		22.5	6.4		308	6.4		118	6.4		ND	6.4		9.5	6.4	J	ND	6.4	
Arsenic	7440-38-2	50	UG/L	224	9.3		155	46.5		290	9.3		1030	9.3		162	9.3		986	9.3		42.5	9.3		39.6	9.3	
Beryllium	7440-41-7	4	UG/L	19.4	0.44		28.2	0.44		18.4	0.44		99.0	0.44	J	3.2	0.44		174	0.44		13.3	0.44		16.5	0.44	
Cadmium	7440-43-9	5	UG/L	28.4	0.97		361	0.97		12.0	0.97		47.0	0.97		5.7	0.97		50.0	4.9		ND	4.9		ND	0.97	
Chromium	7440-47-3	100	UG/L	614	4.8		1790	24		746	4.8		2580	4.8		631	4.8		10900	4.8		493	4.8		591	4.8	
Copper	7440-50-8	1000	UG/L	851	1.8		3340	9		617	1.8		4750	1.8		2980	1.8		8730	1.8		288	1.8		132	1.8	
Lead	7439-92-1	5	UG/L	940	8.4		9470	8.4		931	8.4		8310	8.4		9290	8.4		12800	8.4		260	8.4		137	8.4	
Mercury	7439-97-6	2	UG/L	1.5	0.62	J	14.2	0.62		4.8	0.62		44.9	3.1		6.2	3.1	J	47.1	3.1		1.3	0.62	J	4.9	0.62	
Nickel	7440-02-0	100	UG/L	342	5.8		467	29		336	5.8		869	5.8		233	5.8		4720	5.8		296	5.8		352	5.8	
Selenium	7782-49-2	50	UG/L	13.8	9.4	J	ND	47		31.5	9.4		99.9	9.4		44.6	9.4		1200	9.4		ND	9.4		ND	9.4	
Silver	7440-22-4	100	UG/L	ND	2		ND	10		ND	2		6.2	2		4.2	2	J	3.5	2	J	ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	19.5	10	J	ND	50		21.6	10		49.5	10		40.1	10		540	50		ND	10		ND	10	
Zinc	7440-66-6	2000	UG/L	3870	5.3		7640	5.3		2630	5.3		14600	5.3		2050	5.3		25300	5.3		1350	5.3		1550	5.3	
Dissolved Metals																											
Antimony	7440-36-0	6	UG/L	ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4	
Arsenic	7440-38-2	50	UG/L	ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3	
Beryllium	7440-41-7	4	UG/L	ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		0.94	0.44	J	1.5	0.44	J	6.2	0.44	
Cadmium	7440-43-9	5	UG/L	ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		1.7	0.97	J	ND	0.97		ND	0.97	
Chromium	7440-47-3	100	UG/L	ND	4.8		ND	4.8		ND	4.8		ND	4.8		8.0	4.8	J	6.0	4.8	J	ND	4.8		ND	4.8	
Copper	7440-50-8	1000	UG/L	2.4	1.8	J	ND	1.8		2.4	1.8	J	ND	1.8		ND	1.8		2.0	1.8	J	ND	1.8		1.8	1.8	J
Lead	7439-92-1	5	UG/L	ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4	
Mercury	7439-97-6	2	UG/L	ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.31		ND	0.31		ND	0.31	
Nickel	7440-02-0	100	UG/L	ND	5.8		ND	5.8		ND	5.8		ND	5.8		39.5	5.8		89.9	5.8		80.6	5.8		287	5.8	
Selenium	7782-49-2	50	UG/L	ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4	
Silver	7440-22-4	100	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10	
Zinc	7440-66-6	2000	UG/L	5.4	5.3	J	7.5	5.3	J	10.2	5.3	J	ND	5.3		34.6	5.3		453	5.3		149	5.3		648	5.3	



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-040 05-MET-040 08/22/05 0-14 1			05-MET-042 05-MET-042 08/19/05 0-12 1			05-MET-044 05-MET-044 08/22/05 0-15 1			05-MET-044 05-MET-044A 08/22/05 0-15 1			05-MET-045 05-MET-045 08/22/05 0-12 1, 5			05-MET-047 05-MET-047 08/19/05 0-15 1, 5, 50			05-MET-048 05-MET-048 08/22/05 0-15 1			05-MET-050 05-MET-050 08/22/05 0-15 1, 5		
	CAS #	Non-Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
Total Metals				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Antimony	7440-36-0	6	UG/L	ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4		41.8	32	J	ND	6.4		ND	6.4	
Arsenic	7440-38-2	50	UG/L	123	9.3		12.2	9.3	J	102	9.3		43.6	9.3		302	9.3		867	46.5		212	9.3		235	9.3	
Beryllium	7440-41-7	4	UG/L	22.0	0.44		8.7	0.44		87.2	0.44		14.7	0.44		70.9	0.44		113	2.2		50.2	0.44		52.6	0.44	
Cadmium	7440-43-9	5	UG/L	ND	0.97		ND	0.97		9.6	0.97		7.8	0.97		8.7	0.97		ND	24.3		16.7	0.97		11.9	0.97	
Chromium	7440-47-3	100	UG/L	1090	4.8		106	4.8		4030	4.8		588	4.8		2760	4.8		6030	24		2230	4.8		2550	4.8	
Copper	7440-50-8	1000	UG/L	536	1.8		49.4	1.8		2520	1.8		404	1.8		1430	1.8		5070	9		1430	1.8		1170	1.8	
Lead	7439-92-1	5	UG/L	537	8.4		58.6	8.4		1660	8.4		327	8.4		1500	8.4		9190	42		2350	8.4		1500	8.4	
Mercury	7439-97-6	2	UG/L	6.9	3.1	J	ND	1.2		12.9	1.2		2.8	0.31		8.0	1.2		13.3	3.1		17.6	0.62		6.6	0.62	
Nickel	7440-02-0	100	UG/L	427	5.8		142	5.8		2380	5.8		546	5.8		1700	5.8		2560	29		901	5.8		1290	5.8	
Selenium	7782-49-2	50	UG/L	11.3	9.4	J	ND	9.4		45.0	9.4		ND	9.4		37.2	9.4		229	47		22.5	9.4		57.7	9.4	
Silver	7440-22-4	100	UG/L	ND	2		ND	2		27.4	2		ND	2		19.7	2		ND	10		30.9	2		25.5	2	
Thallium	7440-28-0	2	UG/L	28.9	10		ND	10		141	10		23.7	10		125	10		185	50		67.0	10		73.7	10	
Zinc	7440-66-6	2000	UG/L	1820	5.3		672	5.3		7570	5.3		1940	5.3		5500	5.3		19700	26.5		3870	5.3		3240	5.3	
Dissolved Metals																											
Antimony	7440-36-0	6	UG/L	ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4	
Arsenic	7440-38-2	50	UG/L	ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3	
Beryllium	7440-41-7	4	UG/L	ND	0.44		ND	0.44		0.54	0.44	J	ND	0.44		ND	0.44		ND	0.44		1.5	0.44	J	ND	0.44	
Cadmium	7440-43-9	5	UG/L	ND	0.97		ND	0.97		ND	0.97		ND	0.97		1.0	0.97	J	ND	0.97		ND	0.97		1.9	0.97	J
Chromium	7440-47-3	100	UG/L	ND	4.8		ND	4.8		ND	4.8		ND	4.8		9.2	4.8	J	ND	4.8		ND	4.8		ND	4.8	
Copper	7440-50-8	1000	UG/L	ND	1.8		ND	1.8		2.5	1.8	J	2.5	1.8	J	7.6	1.8	J	ND	1.8		2.9	1.8	J	4.3	1.8	J
Lead	7439-92-1	5	UG/L	ND	8.4		ND	8.4		ND	8.4		9.2	8.4	J	13.3	8.4	J	ND	8.4		9.3	8.4	J	14.5	8.4	J
Mercury	7439-97-6	2	UG/L	ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.31		ND	0.062		ND	0.062		ND	0.31	
Nickel	7440-02-0	100	UG/L	11.9	5.8		54.0	5.8		276	5.8		294	5.8		215	5.8		10.7	5.8		43.4	5.8		182	5.8	
Selenium	7782-49-2	50	UG/L	ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4	
Silver	7440-22-4	100	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	ND	10		ND	10		19.1	10	J	17.2	10	J	11.5	10	J	ND	10		ND	10		13.8	10	J
Zinc	7440-66-6	2000	UG/L	5.6	5.3	J	64.4	5.3		736	5.3		807	5.3		694	5.3		ND	5.3		102	5.3		409	5.3	



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-052 05-MET-052 08/23/05 0-15 1			05-MET-053 05-MET-053 08/23/05 0-15 1			05-MET-055 05-MET-055 08/23/05 0-15 1			05-MET-056 05-MET-056 08/23/05 0-16 1			05-MET-058 05-MET-058 08/16/05 1.5-16.5 1, 10			05-MET-059 05-MET-059 08/17/05 5-20 1			05-MET-062 05-MET-062 08/15/05 0-7 1, 20			05-MET-065 05-MET-065 08/15/05 0-17 1		
	CAS #	Non-Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Total Metals																											
Antimony	7440-36-0	6	UG/L	28.6	16	J	ND	16		32.9	16	J	23.8	16	J	227	6.4		27.9	6.4		159	6.4		ND	6.4	
Arsenic	7440-38-2	50	UG/L	433	23.3		300	23.3		316	23.3		269	23.3		268	9.3		1170	9.3		345	9.3		53.5	9.3	
Beryllium	7440-41-7	4	UG/L	47.9	1.1		97.6	1.1		89.5	1.1		40.8	1.1		35.7	0.44		306	0.44	J	1.2	0.44		8.0	0.44	
Cadmium	7440-43-9	5	UG/L	35.5	2.4		94.0	12.1		37.0	2.4		4.9	2.4	J	81.0	0.97		125	0.97		9.3	0.97		ND	4.9	
Chromium	7440-47-3	100	UG/L	1390	4.8		13800	12		2030	12		1630	12		1690	4.8		13300	4.8		234	4.8		320	4.8	
Copper	7440-50-8	1000	UG/L	870	1.8		3440	4.5		3830	4.5		2040	4.5		2400	1.8		6880	1.8		301	1.8		27.7	1.8	
Lead	7439-92-1	5	UG/L	5650	21		2610	21		7050	21		3820	21		8810	8.4		4950	8.4		1520	8.4		71.0	8.4	
Mercury	7439-97-6	2	UG/L	61.5	3.1		6.4	3.1	J	8.6	3.1	J	14.5	1.2		115	6.2		16.2	0.62		10.2	1.2		1.2	1.2	J
Nickel	7440-02-0	100	UG/L	1510	14.5		4690	14.5		1580	14.5		909	14.5		679	5.8		5790	5.8		438	5.8		283	5.8	
Selenium	7782-49-2	50	UG/L	ND	23.5		ND	23.5		ND	23.5		ND	23.5		49.2	9.4		1000	9.4	J	12.0	9.4		ND	9.4	
Silver	7440-22-4	100	UG/L	17.9	5		44.7	5		18.6	5		18.5	5		11.2	2		ND	2		ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	82.2	25		175	125	J	69.7	25		64.4	25		103	50		306	10		ND	10		19.5	10	J
Zinc	7440-66-6	2000	UG/L	44600	13.3		9530	13.3		9670	13.3		14300	13.3		68400	26.5		26000	5.3		4370	5.3		5970	5.3	
Dissolved Metals																											
Antimony	7440-36-0	6	UG/L	ND	6.4		ND	6.4		ND	6.4		ND	6.4		99.5	6.4		ND	6.4		125	6.4		ND	6.4	
Arsenic	7440-38-2	50	UG/L	ND	9.3		ND	9.3		ND	9.3		ND	9.3		46.4	9.3		ND	9.3		315	9.3		ND	9.3	
Beryllium	7440-41-7	4	UG/L	ND	0.44		ND	0.44		0.99	0.44	J	ND	0.44		4.4	0.44	J	ND	0.44		ND	0.44		ND	0.44	
Cadmium	7440-43-9	5	UG/L	ND	0.97		ND	0.97		ND	0.97		ND	0.97		14.0	0.97		ND	0.97		ND	0.97		ND	0.97	
Chromium	7440-47-3	100	UG/L	ND	4.8		ND	4.8		11.0	4.8	J	ND	4.8		257	4.8		ND	4.8		15.2	4.8		ND	4.8	
Copper	7440-50-8	1000	UG/L	ND	1.8		ND	1.8		27.6	1.8		ND	1.8		357	1.8		2.6	1.8	J	ND	1.8		ND	1.8	
Lead	7439-92-1	5	UG/L	ND	8.4		ND	8.4		62.9	8.4		ND	8.4		1360	8.4		ND	8.4		ND	8.4		ND	8.4	
Mercury	7439-97-6	2	UG/L	ND	0.062		ND	0.062		0.098	0.062	J	ND	0.062		14.9	0.62		ND	0.062		ND	1.2		ND	0.062	
Nickel	7440-02-0	100	UG/L	16.5	5.8		324	5.8		157	5.8		30.7	5.8		102	5.8		23.4	5.8		246	5.8		ND	5.8	
Selenium	7782-49-2	50	UG/L	ND	9.4		ND	9.4		ND	9.4		ND	9.4		21.7	9.4		ND	9.4		9.5	9.4	J	ND	9.4	
Silver	7440-22-4	100	UG/L	2.3	2	J	10.2	2		3.3	2	J	ND	2		ND	2		ND	2		ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	ND	10		32.0	10		13.7	10	J	ND	10		ND	50		ND	10		ND	10		ND	10	
Zinc	7440-66-6	2000	UG/L	40.8	5.3		657	5.3		298	5.3		40.4	5.3		9690	26.5		6.1	5.3	J	40.1	5.3		6.4	5.3	J



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-066 05-MET-066 08/16/05 5-15 1			05-MET-071 05-MET-071 08/22/05 2-12 1, 5			05-MET-072 05-MET-072 08/22/05 0-10 1, 5			05-MET-074 05-MET-074 08/22/05 5-15 1, 5, 10			05-MET-075 05-MET-075 08/22/05 2-12 1, 20			05-MET-079 05-MET-079 08/17/05 0-12 1, 5			05-MET-079 05-MET-079A 08/17/05 0-12 1, 5			05-MET-080 05-MET-080 08/17/05 0-12 1, 5		
	CAS #	Non-Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Total Metals																											
Antimony	7440-36-0	6	UG/L	66.7	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4		7.9	6.4	J	13.3	6.4	J	33.0	6.4	
Arsenic	7440-38-2	50	UG/L	833	9.3		37.0	9.3		280	9.3		9.9	9.3	J	46.4	9.3		174	9.3		345	9.3		985	9.3	
Beryllium	7440-41-7	4	UG/L	62.8	0.44		3.2	0.44	J	37.8	0.44		0.82	0.44	J	16.1	0.44		12.2	0.44		17.2	0.44		10.8	0.44	
Cadmium	7440-43-9	5	UG/L	16.9	0.97		80.8	0.97		231	0.97		ND	0.97		10.6	0.97		58.8	0.97		127	0.97		28.3	0.97	
Chromium	7440-47-3	100	UG/L	3030	4.8		188	4.8		3890	4.8		68.0	4.8		889	4.8		703	4.8		1090	4.8		338	4.8	
Copper	7440-50-8	1000	UG/L	9590	1.8		297	1.8		2120	1.8		40.3	1.8		384	1.8		966	1.8		1930	1.8		557	1.8	
Lead	7439-92-1	5	UG/L	15700	8.4		1760	8.4		7270	8.4		122	8.4		557	8.4		1580	8.4		3170	8.4		5180	8.4	
Mercury	7439-97-6	2	UG/L	24.8	3.1		3.5	0.31		35.4	1.2		ND	0.62		2.1	1.2	J	6.6	0.31		10.9	0.31		3.4	0.31	
Nickel	7440-02-0	100	UG/L	1680	5.8		91.7	5.8		1590	5.8		55.6	5.8		536	5.8		314	5.8		496	5.8		435	5.8	
Selenium	7782-49-2	50	UG/L	140	9.4		ND	9.4		73.6	9.4		ND	9.4		ND	9.4		19.9	9.4	J	49.5	9.4		15.2	9.4	J
Silver	7440-22-4	100	UG/L	12.3	2		ND	2		10.1	2		ND	2		ND	2		ND	2		2.5	2	J	ND	2	
Thallium	7440-28-0	2	UG/L	130	50		13.3	10	J	65.8	10		21.8	10		29.2	10		18.7	10	J	28.1	10		18.5	10	J
Zinc	7440-66-6	2000	UG/L	16900	26.5		4040	5.3		81900	26.5		544	5.3		1010	5.3		5250	5.3		10200	5.3		17100	5.3	
Dissolved Metals																											
Antimony	7440-36-0	6	UG/L	ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4		ND	6.4	
Arsenic	7440-38-2	50	UG/L	ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3		23.3	9.3	
Beryllium	7440-41-7	4	UG/L	ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44	
Cadmium	7440-43-9	5	UG/L	ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97	
Chromium	7440-47-3	100	UG/L	ND	4.8		ND	4.8		ND	4.8		ND	4.8		9.4	4.8	J	ND	4.8		ND	4.8		ND	4.8	
Copper	7440-50-8	1000	UG/L	ND	1.8		1.8	1.8	J	ND	1.8		ND	1.8		5.3	1.8	J	7.2	1.8	J	2.5	1.8	J	2.6	1.8	J
Lead	7439-92-1	5	UG/L	ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		15.4	8.4	J	ND	8.4		ND	8.4	
Mercury	7439-97-6	2	UG/L	ND	0.062		ND	0.31		ND	0.31		ND	0.31		ND	0.062		ND	0.062		ND	0.062		ND	0.062	
Nickel	7440-02-0	100	UG/L	ND	5.8		5.8	5.8	J	ND	5.8		ND	5.8		11.0	5.8		ND	5.8		ND	5.8		ND	5.8	
Selenium	7782-49-2	50	UG/L	ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4	
Silver	7440-22-4	100	UG/L	ND	2		ND	2		ND	2		2.6	2	J	ND	2		ND	2		ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	ND	10		ND	10		ND	10		19.7	10	J	ND	10		ND	10		ND	10		ND	10	
Zinc	7440-66-6	2000	UG/L	ND	5.3		250	5.3		ND	5.3		27.4	5.3		14.2	5.3	J	18.4	5.3	J	ND	5.3		ND	5.3	



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-082 05-MET-082 08/12/05 0-10 1, 50			05-MET-084 05-MET-084 08/12/05 0-10 1, 50			05-MET-086 05-MET-086 08/12/05 0-10 1, 10			05-MET-087 05-MET-087 08/11/05 0-7 1			05-MET-089 05-MET-089 08/12/05 0-10 1, 10			05-MET-090 05-MET-090 08/12/05 0-10 1			05-MET-092 05-MET-092 08/09/05 3-13 1, 50			05-MET-093 05-MET-093 08/11/05 2-12 1, 50		
	CAS #	Non-Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Total Metals																											
Antimony	7440-36-0	6	UG/L	322	6.4		32.8	6.4		14.9	6.4	J	10.5	6.4	J	6.7	6.4	J	ND	6.4		188	6.4		243	32	
Arsenic	7440-38-2	50	UG/L	916	9.3		300	9.3		657	9.3		280	9.3		72.5	9.3		ND	9.3		399	9.3		524	46.5	
Beryllium	7440-41-7	4	UG/L	160	0.44		8.8	0.44		12.4	0.44		2.5	0.44	J	5.9	0.44		ND	0.44		9.2	0.44		22.8	0.44	
Cadmium	7440-43-9	5	UG/L	653	0.97		48.6	0.97		209	0.97		6.2	0.97		9.9	0.97		ND	0.97		62.0	0.97		927	0.97	
Chromium	7440-47-3	100	UG/L	6540	4.8		697	4.8		845	4.8		184	4.8		250	4.8		ND	4.8		2290	4.8		5810	24	
Copper	7440-50-8	1000	UG/L	18500	1.8		2070	1.8		1430	1.8		730	1.8		211	1.8		16.4	1.8		983	1.8		4470	9	
Lead	7439-92-1	5	UG/L	26600	8.4		4090	8.4		4620	8.4		671	8.4		478	8.4		20.7	8.4		4190	8.4		27100	8.4	
Mercury	7439-97-6	2	UG/L	50.0	3.1		5.8	3.1	J	17.7	0.62		0.098	0.062	J	1.1	0.62	J	ND	0.062		ND	3.1		43.2	3.1	
Nickel	7440-02-0	100	UG/L	2350	5.8		612	5.8		2500	5.8		78.4	5.8		126	5.8		15.2	5.8		1130	5.8		3000	29	
Selenium	7782-49-2	50	UG/L	98.0	9.4		26.6	9.4		33.8	9.4		14.2	9.4	J	ND	9.4		ND	9.4		42.0	9.4		75.8	47	J
Silver	7440-22-4	100	UG/L	239	2		4.5	2	J	ND	2		ND	2		ND	2		ND	2		6.1	2		24.7	10	J
Thallium	7440-28-0	2	UG/L	113	10		27.5	10		32.7	10		ND	10		ND	10		ND	10		42.4	10		53.7	50	J
Zinc	7440-66-6	2000	UG/L	98300	5.3		13100	5.3		22600	5.3		827	5.3		823	5.3		12.0	5.3	J	4760	5.3		11900	5.3	
Dissolved Metals																											
Antimony	7440-36-0	6	UG/L	8.1	6.4	J	ND	6.4		8.9	6.4	J	ND	6.4		ND	6.4		ND	6.4		ND	6.4		34.9	6.4	
Arsenic	7440-38-2	50	UG/L	ND	9.3		ND	9.3		10	9.3	J	39.3	9.3		ND	9.3		ND	9.3		ND	9.3		ND	9.3	
Beryllium	7440-41-7	4	UG/L	0.97	0.44	J	ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44	
Cadmium	7440-43-9	5	UG/L	1.8	0.97	J	ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97	
Chromium	7440-47-3	100	UG/L	13.8	4.8	J	5.3	4.8	J	ND	4.8		ND	4.8		ND	4.8		ND	4.8		9.1	4.8	J	10.2	4.8	J
Copper	7440-50-8	1000	UG/L	6.4	1.8	J	1.9	1.8	J	ND	1.8		ND	1.8		ND	1.8		2.1	1.8	J	ND	1.8		ND	1.8	
Lead	7439-92-1	5	UG/L	11.8	8.4	J	ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4	
Mercury	7439-97-6	2	UG/L	ND	0.62		ND	0.62		ND	0.062		ND	0.062		ND	0.62		ND	0.062		ND	0.62		ND	0.062	
Nickel	7440-02-0	100	UG/L	14.4	5.8		ND	5.8		ND	5.8		ND	5.8		ND	5.8		9.1	5.8	J	ND	5.8		ND	5.8	
Selenium	7782-49-2	50	UG/L	ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4	
Silver	7440-22-4	100	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10	
Zinc	7440-66-6	2000	UG/L	35.4	5.3		ND	5.3		7.5	5.3	J	ND	5.3		ND	5.3		ND	5.3		13.9	5.3	J	ND	5.3	



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-094 05-MET-094 08/11/05 0-7 1, 10			05-MET-095 05-MET-095 08/10/05 3-13 1, 50			05-MET-096 05-MET-096 08/10/05 5-15 1, 100			05-MET-098 05-MET-098 08/12/05 0-17 1, 50			05-MET-099 05-MET-099 08/09/05 3-13 1, 50			05-MET-101 05-MET-101 08/10/05 4-14 1, 50			05-MET-103 05-MET-103 08/11/05 0-19 1, 100, 5			05-MET-104 05-MET-104 08/11/05 0-16 1, 10		
	CAS #	Non-Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>Total Metals</b>																											
Antimony	7440-36-0	6	UG/L	ND	6.4		9.3	6.4	J	15.8	6.4	J	10.1	6.4	J	24.2	6.4		ND	6.4		97.0	6.4		58.6	32	J
Arsenic	7440-38-2	50	UG/L	361	9.3		155	9.3		49.1	9.3		181	9.3		82.6	9.3		39.5	9.3		4790	9.3		1320	46.5	
Beryllium	7440-41-7	4	UG/L	1.8	0.44	J	16.6	0.44		18.2	0.44		6.7	0.44		1.7	0.44	J	4.9	0.44	J	83.5	0.44		27.7	0.44	
Cadmium	7440-43-9	5	UG/L	5.3	0.97		7.0	0.97		19.5	0.97		17.4	0.97		50.9	0.97		1.5	0.97	J	667	0.97		303	0.97	
Chromium	7440-47-3	100	UG/L	128	4.8		344	4.8		513	4.8		492	4.8		565	4.8		2780	4.8		7850	4.8		2430	24	
Copper	7440-50-8	1000	UG/L	274	1.8		246	1.8		203	1.8		2500	1.8		250	1.8		99.0	1.8		35500	9		17900	9	
Lead	7439-92-1	5	UG/L	284	8.4		811	8.4		560	8.4		1770	8.4		2970	8.4		188	8.4		33900	8.4		16000	8.4	
Mercury	7439-97-6	2	UG/L	0.74	0.62	J	3.5	3.1	J	ND	6.2		ND	3.1		ND	3.1		ND	3.1		55.7	6.2		7.6	0.62	
Nickel	7440-02-0	100	UG/L	155	5.8		237	5.8		109	5.8		248	5.8		241	5.8		266	5.8		6380	5.8		1930	29	
Selenium	7782-49-2	50	UG/L	10.9	9.4	J	14.3	9.4	J	10.6	9.4	J	20.2	9.4		ND	9.4		ND	9.4		305	9.4		143	47	
Silver	7440-22-4	100	UG/L	ND	2		ND	2		2.4	2	J	ND	2		ND	2		ND	2		ND	2		14.4	10	J
Thallium	7440-28-0	2	UG/L	ND	10		ND	10		ND	10		13.8	10	J	ND	10		ND	10		290	10		121	50	
Zinc	7440-66-6	2000	UG/L	1230	5.3		2390	5.3		1680	5.3		1840	5.3		1150	5.3		1340	5.3		67300	5.3		30100	5.3	
<b>Dissolved Metals</b>																											
Antimony	7440-36-0	6	UG/L	ND	6.4		ND	6.4		9.6	6.4	J	ND	6.4		14.5	6.4	J	14.1	6.4	J	ND	6.4		39.8	32	J
Arsenic	7440-38-2	50	UG/L	20.8	9.3		30.6	9.3		ND	9.3		15.2	9.3	J	16.3	9.3	J	11.2	9.3	J	27.9	9.3		480	46.5	
Beryllium	7440-41-7	4	UG/L	ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		6.7	0.44	
Cadmium	7440-43-9	5	UG/L	ND	0.97		ND	0.97		ND	0.97		ND	0.97		3.6	0.97	J	ND	0.97		ND	0.97		91.2	0.97	
Chromium	7440-47-3	100	UG/L	ND	4.8		ND	4.8		ND	4.8		ND	4.8		54.3	4.8		ND	4.8		19.2	4.8		702	24	
Copper	7440-50-8	1000	UG/L	ND	1.8		ND	1.8		ND	1.8		2.4	1.8	J	13.7	1.8		ND	1.8		13.6	1.8		6440	9	
Lead	7439-92-1	5	UG/L	ND	8.4		ND	8.4		ND	8.4		ND	8.4		218	8.4		ND	8.4		13.0	8.4	J	4640	8.4	
Mercury	7439-97-6	2	UG/L	ND	0.062		ND	0.062		ND	0.062		ND	0.062		ND	0.62		ND	0.62		ND	0.062		93.5	3.1	
Nickel	7440-02-0	100	UG/L	ND	5.8		ND	5.8		ND	5.8		ND	5.8		16.0	5.8		ND	5.8	J	7.6	5.8		527	29	
Selenium	7782-49-2	50	UG/L	ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		57.6	47	J
Silver	7440-22-4	100	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	10	
Thallium	7440-28-0	2	UG/L	ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	50	
Zinc	7440-66-6	2000	UG/L	ND	5.3		ND	5.3		ND	5.3		ND	5.3		81.0	5.3		ND	5.3		24.6	5.3		9550	5.3	



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-105 05-MET-105 08/09/05 5-15 1, 10			05-MET-107 05-MET-107 08/10/05 0-10 1, 50			05-MET-107 05-MET-107A 08/10/05 0-10 1, 50			05-MET-110 05-MET-110 08/09/05 0.5-16 1, 5, 50			05-MET-111 05-MET-111 08/10/05 5-15 1, 50			05-MET-114 05-MET-114 08/08/05 0-20 1, 5, 10, 100			05-MET-115 05-MET-115 08/09/05 0-19 1, 50			05-MET-119 05-MET-119 08/11/05 2-12 1, 50		
	CAS #	Non-Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
Total Metals																											
Antimony	7440-36-0	6	UG/L	46.4	6.4		ND	6.4		ND	6.4		1320	6.4		40.6	6.4		1410	6.4		350	6.4		86.3	32	J
Arsenic	7440-38-2	50	UG/L	64.2	9.3		47.2	9.3		ND	9.3		243	9.3		27.0	9.3		390	9.3		38.0	9.3		746	46.5	
Beryllium	7440-41-7	4	UG/L	6.6	0.44		0.45	0.44	J	1.6	0.44	J	168	0.44		5.7	0.44		118	0.44	J	2.6	0.44		10.2	0.44	
Cadmium	7440-43-9	5	UG/L	119	0.97		9.8	0.97		2.1	0.97	J	6500	0.97		80.7	0.97		7730	0.97		248	0.97		171	0.97	
Chromium	7440-47-3	100	UG/L	1870	4.8		369	4.8		420	4.8		99300	4.8		1430	4.8		121000	4.8		2960	4.8		2280	24	
Copper	7440-50-8	1000	UG/L	888	1.8		555	1.8		86.3	1.8		18300	1.8		389	1.8		28800	1.8		1280	1.8		10400	9	
Lead	7439-92-1	5	UG/L	7410	8.4		662	8.4		209	8.4		458000	8.4		3890	8.4		512000	42		14500	8.4		2930	8.4	
Mercury	7439-97-6	2	UG/L	ND	0.62		ND	3.1		ND	3.1		45.4	3.1		4.7	3.1	J	130	6.2		15.8	3.1		5.2	3.1	J
Nickel	7440-02-0	100	UG/L	335	5.8		71.7	5.8		26.2	5.8		3150	5.8		181	5.8		4570	5.8		294	5.8		2540	29	
Selenium	7782-49-2	50	UG/L	14.0	9.4	J	ND	9.4		ND	9.4		173	9.4		ND	9.4		ND	9.4		28.9	9.4		ND	47	
Silver	7440-22-4	100	UG/L	5.1	2		ND	2		ND	2		218	2		3.6	2	J	225	2		15.0	2		ND	10	
Thallium	7440-28-0	2	UG/L	17.3	10	J	ND	10		ND	10		142	10		ND	10		178	10		ND	10		66.1	50	J
Zinc	7440-66-6	2000	UG/L	4720	5.3		534	5.3		1080	5.3		172000	5.3		2490	5.3		232000	53		7440	5.3		18300	5.3	
Dissolved Metals																											
Antimony	7440-36-0	6	UG/L	7.1	6.4	J	ND	6.4		9.4	6.4	J	ND	6.4		7.0	6.4	J	60.3	6.4		23.9	6.4		7.6	6.4	J
Arsenic	7440-38-2	50	UG/L	ND	9.3		48.3	9.3		51.4	9.3		ND	9.3		ND	9.3		40.0	9.3	J	14.1	9.3		79.4	9.3	
Beryllium	7440-41-7	4	UG/L	ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44		ND	0.44	
Cadmium	7440-43-9	5	UG/L	ND	0.97		1.4	0.97	J	ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97	
Chromium	7440-47-3	100	UG/L	46.0	4.8		16.9	4.8		19.0	4.8		10.3	4.8	J	11.2	4.8	J	146	4.8		46.7	4.8		8.0	4.8	J
Copper	7440-50-8	1000	UG/L	ND	1.8		ND	1.8		ND	1.8		ND	1.8		ND	1.8		2.9	1.8	J	ND	1.8		ND	1.8	
Lead	7439-92-1	5	UG/L	ND	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4		37.3	8.4		83.0	8.4		ND	8.4	
Mercury	7439-97-6	2	UG/L	ND	0.062		ND	0.62		ND	0.62		ND	0.062		ND	0.62		ND	0.62		ND	0.62		ND	0.62	
Nickel	7440-02-0	100	UG/L	18.7	5.8		ND	5.8		ND	5.8		7.9	5.8	J	7.2	5.8	J	99.7	5.8		21.5	5.8		ND	5.8	
Selenium	7782-49-2	50	UG/L	ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4	
Silver	7440-22-4	100	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10		ND	10	
Zinc	7440-66-6	2000	UG/L	ND	5.3		ND	5.3		ND	5.3		ND	5.3		5.9	5.3	J	32.8	5.3		55.4	5.3		ND	5.3	



Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-121 05-MET-121 08/10/05 0-15 1, 100			05-MET-123 05-MET-123 08/09/05 7-17 1, 100			05-MET-124 05-MET-124 08/11/05 3-13 1, 5, 50			05-MET-125 05-MET-125 08/10/05 0-16 1, 10			05-MET-126 05-MET-126 08/10/05 0.5-15.5 1			05-MET-128 05-MET-128 08/22/05 5-15 1			05-MET-129 05-MET-129 08/22/05 2-12 1			05-MET-130 05-MET-130 08/17/05 0-15 1, 10		
	CAS #	Non-Residential	Units	Detection			Detection			Detection			Detection			Detection			Detection			Detection			Detection		
				Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
<b>Total Metals</b>																											
Antimony	7440-36-0	6	UG/L	6.9	6.4	J	14.7	6.4	J	52.2	32	J	10.2	6.4	J	13.9	6.4	J	7.3	6.4	J	ND	6.4		12.4	6.4	J
Arsenic	7440-38-2	50	UG/L	121	9.3		517	9.3		1210	46.5		138	9.3		120	9.3	J	9.7	9.3	J	29.7	9.3		70.7	9.3	
Beryllium	7440-41-7	4	UG/L	5.3	0.44		24.0	0.44		113	0.44		8.6	0.44		4.0	0.44	J	ND	0.44		6.0	0.44		2.7	0.44	J
Cadmium	7440-43-9	5	UG/L	4.5	0.97	J	15.7	0.97		29.0	0.97		1.2	0.97	J	5.8	0.97		ND	0.97		5.0	0.97	J	15.0	0.97	
Chromium	7440-47-3	100	UG/L	269	4.8		3030	4.8		4050	24		240	4.8		250	4.8		ND	4.8		306	4.8		255	4.8	
Copper	7440-50-8	1000	UG/L	257	1.8		1410	1.8		7050	9		223	1.8		657	1.8		2.2	1.8	J	210	1.8		710	1.8	
Lead	7439-92-1	5	UG/L	153	8.4		2410	8.4		10700	8.4		341	8.4		258	8.4		ND	8.4		545	8.4		1690	8.4	
Mercury	7439-97-6	2	UG/L	ND	6.2		ND	6.2		17.9	3.1		ND	0.62		ND	0.062		ND	0.062		0.85	0.062		7.1	0.62	
Nickel	7440-02-0	100	UG/L	165	5.8		1140	5.8		3260	29		193	5.8		185	5.8		ND	5.8		165	5.8		232	5.8	
Selenium	7782-49-2	50	UG/L	11.9	9.4	J	50.8	9.4		ND	47		21.0	9.4		22.9	9.4		ND	9.4		ND	9.4		17.5	9.4	J
Silver	7440-22-4	100	UG/L	ND	2		2.9	2	J	ND	10		3.4	2	J	ND	2		ND	2		ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	ND	10		24.3	10		133	50		ND	10		12.6	10	J	ND	10		ND	10		17.8	10	J
Zinc	7440-66-6	2000	UG/L	1240	5.3		3960	5.3		19300	5.3		1090	5.3		1410	5.3		97.9	5.3		1310	5.3		2200	5.3	
<b>Dissolved Metals</b>																											
Antimony	7440-36-0	6	UG/L	8.4	6.4	J	50.6	6.4		ND	6.4		ND	6.4		ND	6.4		8.1	6.4	J	ND	6.4		ND	6.4	
Arsenic	7440-38-2	50	UG/L	317	9.3		220	9.3		16.8	9.3	J	125	9.3		39.9	9.3		ND	9.3		ND	9.3		ND	9.3	
Beryllium	7440-41-7	4	UG/L	1.3	0.44	J	4.0	0.44	J	ND	0.44		0.96	0.44	J	ND	0.44		ND	0.44		ND	0.44		ND	0.44	
Cadmium	7440-43-9	5	UG/L	9.2	0.97		ND	0.97		25.2	0.97		ND	0.97		ND	0.97		ND	0.97		ND	0.97		2.3	0.97	J
Chromium	7440-47-3	100	UG/L	151	4.8		979	4.8		33.3	4.8		104	4.8		15.1	4.8		ND	4.8		ND	4.8		ND	4.8	
Copper	7440-50-8	1000	UG/L	271	1.8		ND	1.8		6.1	1.8	J	19.9	1.8		ND	1.8		ND	1.8		2.4	1.8	J	5.0	1.8	J
Lead	7439-92-1	5	UG/L	171	8.4		ND	8.4		21.9	8.4		33.6	8.4		ND	8.4		ND	8.4		ND	8.4		ND	8.4	
Mercury	7439-97-6	2	UG/L	ND	0.62		ND	3.1		ND	0.62		ND	3.1		ND	0.062		ND	0.062		ND	0.062		ND	0.062	
Nickel	7440-02-0	100	UG/L	141	5.8		286	5.8		28.8	5.8		62.6	5.8		6.0	5.8	J	ND	5.8		7.5	5.8	J	32.9	5.8	
Selenium	7782-49-2	50	UG/L	9.9	9.4	J	30.7	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4		ND	9.4	
Silver	7440-22-4	100	UG/L	ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2		ND	2	
Thallium	7440-28-0	2	UG/L	ND	10		ND	10		28.1	10		ND	10		ND	10		ND	10		ND	10		ND	10	
Zinc	7440-66-6	2000	UG/L	837	5.3		57.6	26.5	J	ND	5.3		122	5.3		7.6	5.3	J	89.4	5.3	J	11.5	5.3	J	146	5.3	




Table 4-4  
Groundwater Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

	PADEP ACT 2 Groundwater MSC Values Used Aquifer, TDS <2500		Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-MET-132 05-MET-132 08/16/05 0-16 1, 5, 50			05-MET-134 05-MET-134 08/23/05 10-20 1, 20			05-MET-135 05-MET-135 08/23/05 1-21 5, 50		
	CAS #	Non-Residential	Units	Detection ResultLimitQualifier			Detection ResultLimitQualifier			Detection ResultLimitQualifier		
Total Metals												
Antimony	7440-36-0	6	UG/L	37.9	6.4		ND	6.4		ND	80	
Arsenic	7440-38-2	50	UG/L	329	9.3		31.7	9.3		563	116	
Beryllium	7440-41-7	4	UG/L	113	0.44		7.7	0.44		255	5.5	
Cadmium	7440-43-9	5	UG/L	ND	24.3		ND	0.97		ND	12.1	
Chromium	7440-47-3	100	UG/L	3540	4.8		342	4.8		17100	60	
Copper	7440-50-8	1000	UG/L	2360	1.8		121	1.8		3940	22.5	
Lead	7439-92-1	5	UG/L	2030	8.4		80.9	8.4		2760	105	
Mercury	7439-97-6	2	UG/L	5.1	3.1	J	ND	1.2		5.9	3.1	J
Nickel	7440-02-0	100	UG/L	2430	5.8		179	5.8		5770	72.5	
Selenium	7782-49-2	50	UG/L	260	9.4		ND	9.4		188	118	J
Silver	7440-22-4	100	UG/L	ND	2		ND	2		ND	25	
Thallium	7440-28-0	2	UG/L	395	50		ND	10		367	125	
Zinc	7440-66-6	2000	UG/L	7800	26.5		508	5.3		12900	66.3	
Dissolved Metals												
Antimony	7440-36-0	6	UG/L	ND	6.4		ND	6.4		NA		
Arsenic	7440-38-2	50	UG/L	ND	9.3		ND	9.3		NA		
Beryllium	7440-41-7	4	UG/L	ND	0.44		ND	0.44		NA		
Cadmium	7440-43-9	5	UG/L	ND	0.97		ND	0.97		NA		
Chromium	7440-47-3	100	UG/L	ND	4.8		ND	4.8		NA		
Copper	7440-50-8	1000	UG/L	ND	1.8		ND	1.8		NA		
Lead	7439-92-1	5	UG/L	ND	8.4		ND	8.4		NA		
Mercury	7439-97-6	2	UG/L	ND	0.062		ND	0.062		NA		
Nickel	7440-02-0	100	UG/L	ND	5.8		9.9	5.8	J	NA		
Selenium	7782-49-2	50	UG/L	ND	9.4		ND	9.4		NA		
Silver	7440-22-4	100	UG/L	ND	2		ND	2		NA		
Thallium	7440-28-0	2	UG/L	ND	10		ND	10		NA		
Zinc	7440-66-6	2000	UG/L	ND	5.3		66.3	5.3		NA		



## **Notes:**

 Value exceeds PA ACT 2 Non-Residential Used Aquifer, TDS < 2500 Groundwater Medium Specific Concentration

\*\*- 2-Chloroethyl Vinyl Ether is an acid labile compound and could not be recovered in this sample due to the acid preservation of the sample

B- Compound was also detected in the blank

J- The reported concentration for this analyte is an estimated value.

NA- Not Analyzed

ND- Not Detected above detection limit

NS- No PADEP standard

Sample 05-MET-007A is a duplicate sample of 05-MET-007

TICs- Tentatively identified compounds



Table 4-5  
Stony Creek Sediment Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

		EPA Region 3 Freshwater Sediment Screening Benchmarks	Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-METS-01 05-METS-01 08/15/05 0-0.5 0.97, 1			05-METS-02 05-METS-02 08/15/05 0-0.5 1, 1.05			05-METS-03 05-METS-03 08/15/05 0-0.5 1, 1.21			05-METS-04 05-METS-04 08/15/05 0-0.5 1, 1.09			05-METS-05 05-METS-05 08/15/05 0-0.5 1, 1.39			05-METS-06 05-METS-06 08/15/05 0-0.5 0.97, 1		
	CAS #			Detection			Detection			Detection			Detection			Detection			Detection		
			Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
VOs																					
Acrolein	107-02-8	NS	MG/KG	ND	0.03		ND	0.034		ND	0.055		ND	0.054		ND	0.067		ND	0.03	
Acrylonitrile	107-13-1	NS	MG/KG	ND	0.006		ND	0.007		ND	0.011		ND	0.011		ND	0.013		ND	0.006	
Benzene	71-43-2	NS	MG/KG	ND	0.0007		0.001	0.0009	J	0.003	0.001	J	0.002	0.001	J	ND	0.002		ND	0.0008	
Bromodichloromethane	75-27-4	NS	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
Bromoform	75-25-2	0.654	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
Bromomethane	74-83-9	NS	MG/KG	ND	0.003		ND	0.003		ND	0.005		ND	0.005		ND	0.007		ND	0.003	
Carbon tetrachloride	56-23-5	0.0642	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
Chlorobenzene	108-90-7	0.00842	MG/KG	ND	0.001		ND	0.002		ND	0.003		0.009	0.003	J	ND	0.003		ND	0.002	
Chlorodibromomethane	124-48-1	NS	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
Chloroethane	75-00-3	NS	MG/KG	ND	0.003		ND	0.003		ND	0.005		ND	0.005		ND	0.007		ND	0.003	
Chloroform	67-66-3	NS	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
Chloromethane	74-87-3	NS	MG/KG	ND	0.003		ND	0.003		ND	0.005		ND	0.005		ND	0.007		ND	0.003	
Ethylene Dibromide (EDB)	106-93-4	NS	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
1,1-Dichloroethane	75-34-3	NS	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
1,2-Dichloroethane	107-06-2	NS	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
1,1-Dichloroethene	75-35-4	0.031	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
cis-1,2-Dichloroethylene	156-59-2	NS	MG/KG	ND	0.001		0.003	0.002	J	ND	0.003		ND	0.003		ND	0.003		0.008	0.002	
trans-1,2-Dichloroethylene	156-60-5	1.05	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
1,2-Dichloropropane	78-87-5	NS	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
cis-1,3-Dichloropropene	10061-01-5	NS	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
trans-1,3-Dichloropropene	10061-02-6	NS	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
Ethylbenzene	100-41-4	1.1	MG/KG	ND	0.001		ND	0.002		0.003	0.003	J	0.007	0.003	J	ND	0.003		ND	0.002	
Methyl tert-Butyl ether (MTBE)	1634-04-4	NS	MG/KG	ND	0.0007		ND	0.0009		ND	0.001		0.002	0.001	J	ND	0.002		ND	0.0008	
Methylene chloride	75-09-2	NS	MG/KG	ND	0.003		ND	0.003		ND	0.005		ND	0.005		ND	0.007		ND	0.003	
1,1,2,2-Tetrachloroethane	79-34-5	1.36	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
Tetrachloroethylene (PCE)	127-18-4	0.468	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
1,1,1-Trichloroethane	71-55-6	0.0302	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
1,1,2-Trichloroethane	79-00-5	1.24	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
Trichloroethylene (TCE)	79-01-6	0.0969	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
Trichlorofluoromethane	75-69-4	NS	MG/KG	ND	0.003		ND	0.003		ND	0.005		ND	0.005		ND	0.007		ND	0.003	
tert-Butyl alcohol (TBA)	75-65-0	NS	MG/KG	ND	0.03		ND	0.034		ND	0.055		ND	0.054		ND	0.067		ND	0.03	
Toluene	108-88-3	NS	MG/KG	ND	0.001		ND	0.002		0.006	0.003	J	0.006	0.003	J	ND	0.003		ND	0.002	
Vinyl chloride	75-01-4	NS	MG/KG	ND	0.001		ND	0.002		ND	0.003		ND	0.003		ND	0.003		ND	0.002	
Xylenes (total)	1330-20-7	NS	MG/KG	ND	0.001		ND	0.002		0.006	0.003	J	0.013	0.003	J	ND	0.003		ND	0.002	
VO TICs		NS	MG/KG	1.856			0.073			8.01			14.78			0.284			0.829		



Table 4-5  
Stony Creek Sediment Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

		EPA Region 3 Freshwater Sediment Screening Benchmarks	Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-METS-01 05-METS-01 08/15/05 0-0.5 1			05-METS-02 05-METS-02 08/15/05 0-0.5 1			05-METS-03 05-METS-03 08/15/05 0-0.5 1			05-METS-04 05-METS-04 08/15/05 0-0.5 1			05-METS-05 05-METS-05 08/15/05 0-0.5 1			05-METS-06 05-METS-06 08/15/05 0-0.5 1		
	CAS #			Detection			Detection			Detection			Detection			Detection			Detection		
			Units	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier	Result	Limit	Qualifier
BNs																					
Acenaphthene	83-32-9	0.0067	MG/KG	ND	0.051		0.062	0.054	J	0.13	0.075	J	0.13	0.083	J	ND	0.08		0.38	0.052	
Acenaphthylene	208-96-8	0.0059	MG/KG	ND	0.051		0.14	0.054	J	0.12	0.075	J	0.16	0.083	J	0.13	0.08	J	0.29	0.052	
Anthracene	120-12-7	0.0572	MG/KG	0.11	0.051	J	0.23	0.054	J	0.36	0.075	J	0.38	0.083	J	0.31	0.08	J	1.1	0.052	
Benzdine	92-87-5	NS	MG/KG	ND	1.		ND	1.1		ND	1.5		ND	1.7		ND	1.6		ND	1.	
Benzo(a)anthracene	56-55-3	0.108	MG/KG	0.19	0.051	J	1.1	0.054		1.3	0.075		1.3	0.083		1.1	0.08		2.5	0.052	
Benzo(a)pyrene	50-32-8	0.15	MG/KG	0.13	0.051	J	1.3	0.054		1.7	0.075		1.5	0.083		1.4	0.08		2.2	0.052	
Benzo(b)fluoranthene	205-99-2	NS	MG/KG	0.16	0.051	J	1.7	0.054		2.7	0.075		2.3	0.083		2.2	0.08		2.8	0.052	
Benzo(g,h,i)perylene	191-24-2	0.17	MG/KG	0.39	0.051		1.0	0.054		1.3	0.075		1.2	0.083		1.1	0.08		1.3	0.052	
Benzo(k)fluoranthene	207-08-9	0.24	MG/KG	0.069	0.051	J	0.60	0.054		0.85	0.075		1.0	0.083		0.77	0.08		1.2	0.052	
Butyl benzyl phthalate	85-68-7	10.9	MG/KG	ND	0.1		0.38	0.11		0.39	0.15		0.43	0.17		0.39	0.16	J	0.23	0.1	J
bis(2-Chloroethoxy) methane	111-91-1	NS	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
bis(2-Chloroethyl) ether	111-44-4	NS	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
bis(2-Chloroisopropyl) ether	108-60-1	NS	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
bis(2-Ethylhexyl) phthalate	117-81-7	0.18	MG/KG	ND	0.1		1.1	0.11		3.0	0.15		3.8	0.17		3.0	0.16		1.8	0.1	
4-Bromophenyl phenyl ether	101-55-3	1.23	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
4-Chloro-3-methylphenol	59-50-7	NS	MG/KG	ND	0.1		ND	0.11		ND	0.15		ND	0.17		ND	0.16		ND	0.1	
2-Chloronaphthalene	91-58-7	NS	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
2-Chlorophenol	95-57-8	0.0312	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
4-Chlorophenyl phenyl ether	7005-72-3	NS	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
Chrysene	218-01-9	0.166	MG/KG	0.15	0.051	J	1.5	0.054		1.9	0.075		1.9	0.083		1.6	0.08		2.9	0.052	
Dibenzo(a,h)anthracene	53-70-3	0.033	MG/KG	0.079	0.051	J	0.34	0.054		0.38	0.075		0.29	0.083	J	0.33	0.08	J	0.48	0.052	
1,2-Dichlorobenzene	95-50-1	0.0165	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		0.072	0.052	J
1,3-Dichlorobenzene	541-73-1	4.43	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
1,4-Dichlorobenzene	106-46-7	0.599	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
2,4-Dichlorophenol	120-83-2	0.117	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
3,3'-Dichlorobenzidine	91-94-1	0.127	MG/KG	ND	0.15		ND	0.16		ND	0.23		ND	0.25		ND	0.24		ND	0.16	
Diethyl phthalate	84-66-2	0.603	MG/KG	ND	0.1		ND	0.11		ND	0.15		ND	0.17		ND	0.16		ND	0.1	
2,4-Dimethylphenol	105-67-9	0.029	MG/KG	ND	0.15		ND	0.16		ND	0.23		ND	0.25		ND	0.24		ND	0.16	
Dimethyl phthalate	131-11-3	NS	MG/KG	ND	0.1		ND	0.11		ND	0.15		ND	0.17		ND	0.16		ND	0.1	
Di-n-butyl phthalate	84-74-2	6.47	MG/KG	ND	0.1		ND	0.11		ND	0.15		ND	0.17		ND	0.16		ND	0.1	
Di-n-octylphthalate	117-84-0	NS	MG/KG	ND	0.1		ND	0.11		ND	0.15		ND	0.17		ND	0.16		ND	0.1	
2,4-Dinitrophenol	51-28-5	NS	MG/KG	ND	1.		ND	1.1		ND	1.5		ND	1.7		ND	1.6		ND	1.	
4,6-Dinitro-2-methylphenol	534-52-1	NS	MG/KG	ND	0.25		ND	0.27		ND	0.38		ND	0.41		ND	0.4		ND	0.26	
2,4-Dinitrotoluene	121-14-2	0.0416	MG/KG	ND	0.1		ND	0.11		ND	0.15		ND	0.17		ND	0.16		ND	0.1	
2,6-Dinitrotoluene	606-20-2	NS	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
1,4-Dioxane	123-91-1	NS	MG/KG	ND	0.15		ND	0.16		ND	0.23		ND	0.25		ND	0.24		ND	0.16	
1,2-Diphenylhydrazine	122-66-7	NS	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
Fluoranthene	206-44-0	0.423	MG/KG	0.22	0.051	J	1.6	0.054		2.6	0.075		2.5	0.083		2.1	0.08		4.0	0.052	
Fluorene	86-73-7	0.0774	MG/KG	ND	0.051		0.070	0.054	J	0.16	0.075	J	0.18	0.083	J	0.11	0.08	J	0.55	0.052	
Hexachlorobenzene	118-74-1	0.02	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
Hexachlorobutadiene	87-68-3	NS	MG/KG	ND	0.1		ND	0.11		ND	0.15		ND	0.17		ND	0.16		ND	0.1	
Hexachlorocyclopentadiene	77-47-4	NS	MG/KG	ND	0.25		ND	0.27		ND	0.38		ND	0.41		ND	0.4		ND	0.26	
Hexachloroethane	67-72-1	1.027	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
Indeno(1,2,3-c,d)pyrene	193-39-5	0.017	MG/KG	0.14	0.051	J	0.86	0.054		1.3	0.075		1.1	0.083		1.0	0.08		1.2	0.052	
Isophorone	78-59-1	NS	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
1-Methylnaphthalene	90-12-0	NS	MG/KG	ND	0.051		0.065	0.054	J	ND	0.075		0.083	0.083	J	ND	0.08		0.15	0.052	J
Naphthalene	91-20-3	0.176	MG/KG	ND	0.051		0.059	0.054	J	0.16	0.075	J	ND	0.083		ND	0.08		0.24	0.052	J
N-Nitrosodimethylamine	62-75-9	NS	MG/KG	ND	0.1		ND	0.11		ND	0.15		ND	0.17		ND	0.16		ND	0.1	
4-Nitrophenol	100-02-7	NS	MG/KG	ND	0.25		ND	0.27		ND	0.38		ND	0.41		ND	0.4		ND	0.26	
Nitrobenzene	98-95-3	NS	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
2-Nitrophenol	88-75-5	NS	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
n-Nitrosodi-n-propylamine	621-64-7	NS	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
N-Nitrosodiphenylamine	86-30-6	2.68	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
Pentachlorophenol	87-86-5	0.504	MG/KG	ND	0.25		ND	0.27		ND	0.38		ND	0.41		ND	0.4		ND	0.26	
Phenanthrene	85-01-8	0.204	MG/KG	0.11	0.051	J	0.78	0.054		1.2	0.075		1.2	0.083		1.1	0.08		3.3	0.052	
Phenol	108-95-2	0.42	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
Pyrene	129-00-0	0.195	MG/KG	0.27	0.051		1.9	0.054		3.0	0.075		3.4	0.083		3.1	0.08		4.7	0.052	
2,4,6-Trichlorophenol	88-06-2	0.213	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
1,2,4-Trichlorobenzene	120-82-1	2.1	MG/KG	ND	0.051		ND	0.054		ND	0.075		ND	0.083		ND	0.08		ND	0.052	
SVO TICs		NS	MG/KG	24.82			28.57			46.03			148.8			84.3			95.9		



Table 4-5  
Stony Creek Sediment Analytical Results - Trainer Industries, LLC/Former Metro Container Corporation Site  
Trainer, Pennsylvania

		EPA Region 3 or NJDEP Freshwater Screening Sediment Benchmarks/Guidelines*	Location ID Field ID Samp Date Depth (ft) Dilution Factor	05-METS-01 05-METS-01 08/15/05 0-0.5 1, 10			05-METS-02 05-METS-02 08/15/05 0-0.5 1, 20, 40			05-METS-03 05-METS-03 08/15/05 0-0.5 1, 20, 40			05-METS-04 05-METS-04 08/15/05 0-0.5 1, 20, 200			05-METS-05 05-METS-05 08/15/05 0-0.5 1, 20			05-METS-06 05-METS-06 08/15/05 0-0.5 1, 20		
	CAS #			Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier	Result	Detection Limit	Qualifier
<b>General Chemistry</b>																					
Cyanide	57-12-5	0.1	MG/KG	ND	0.27		ND	0.29		ND	0.39		ND	0.44		ND	0.42		ND	0.27	
Total Phenolics		NS	MG/KG	ND	1.8		ND	1.9		ND	2.7		ND	3.		ND	2.9		ND	1.9	
Moisture Content		NS	%	34.6	0.5		38.5	0.5		55.7	0.5		59.8	0.5		58.5	0.5		36.2	0.5	
<b>Pesticides/PCBs</b>																					
Aldrin	309-00-2	0.002	MG/KG	ND	0.0026		ND	0.00553		ND	0.00767		ND	0.00846		ND	0.00819		ND	0.00533	
PCB-1016 (Arochlor 1016)	12674-11-2	0.007	MG/KG	ND	0.113		ND	0.241		ND	0.334		ND	0.368		ND	0.357		ND	0.232	
PCB-1221 (Arochlor 1221)	11104-28-2	NS	MG/KG	ND	0.0505		ND	0.107		ND	0.149		ND	0.164		ND	0.159		ND	0.103	
PCB-1232 (Arochlor 1232)	11141-16-5	NS	MG/KG	ND	0.0734		ND	0.156		ND	0.217		ND	0.239		ND	0.231		ND	0.15	
PCB-1242 (Arochlor 1242)	53469-21-9	NS	MG/KG	ND	0.0459		ND	0.0976		ND	0.135		ND	0.149		ND	0.145		ND	0.094	
PCB-1248 (Arochlor 1248)	12672-29-6	0.03	MG/KG	ND	0.168		ND	0.358		ND	0.497		ND	0.547		ND	0.53		3.30	0.345	
PCB-1254 (Arochlor 1254)	11097-69-1	0.06	MG/KG	ND	0.0505		1.30	0.107		0.598	0.149	J	0.463	0.164	J	0.769	0.159	J	2.65	0.103	
PCB-1260 (Arochlor 1260)	11096-82-5	0.005	MG/KG	ND	0.168		0.570	0.358	J	0.944	0.497	J	0.749	0.547	J	0.718	0.53	J	2.14	0.345	
Alpha BHC	319-84-6	0.006	MG/KG	ND	0.0026		ND	0.00553		ND	0.00767		ND	0.00846		ND	0.00819		ND	0.00533	
Beta BHC	319-85-7	0.005	MG/KG	ND	0.0026		ND	0.00553		ND	0.00767		ND	0.00846		ND	0.00819		ND	0.00533	
Delta BHC	319-86-8	6.4	MG/KG	ND	0.00321		ND	0.00683		ND	0.00948		ND	0.0104		ND	0.0101		ND	0.00658	
Gamma BHC - Lindane	58-89-9	0.00237	MG/KG	ND	0.0026		ND	0.00553		ND	0.00767		ND	0.00846		ND	0.00819		ND	0.00533	
Chlordane	57-74-9	0.00324	MG/KG	ND	0.0612		0.342	0.13	J	0.320	0.181	J	0.354	0.199	J	ND	0.193		ND	0.533	
p,p-DDD	72-54-8	0.00488	MG/KG	0.0138	0.00505	J	0.328	0.0107		0.375	0.0149		1.53	0.164		0.382	0.0159		ND	0.0752	
p,p-DDE	72-55-9	0.00316	MG/KG	ND	0.00505		ND	0.078		ND	0.0767		ND	0.0846		ND	0.0819		ND	0.094	
p,p-DDT	50-29-3	NS	MG/KG	ND	0.00505		0.586	0.0215		0.738	0.0298		2.43	0.164		ND	0.0964		ND	0.0103	
Dieldrin	60-57-1	0.0019	MG/KG	ND	0.00505		ND	0.0959		ND	0.0767		ND	0.0846		ND	0.0159		ND	0.0815	
Endosulfan I	959-98-8	0.0029	MG/KG	ND	0.0026		ND	0.00553		ND	0.00767		ND	0.00846		ND	0.00819		ND	0.00533	
Endosulfan II	33213-65-9	0.014	MG/KG	ND	0.00505		ND	0.0107		ND	0.0149		ND	0.0164		ND	0.0159		ND	0.0103	
Endosulfan Sulfate	1031-07-8	0.0054	MG/KG	ND	0.00505		ND	0.0107		ND	0.0149		ND	0.0164		ND	0.0159		ND	0.0103	
Endrin	72-20-8	0.00222	MG/KG	ND	0.00505		ND	0.0107		ND	0.0149		ND	0.0164		ND	0.0159		ND	0.0533	
Endrin Aldehyde	7421-93-4	NS	MG/KG	ND	0.00505		ND	0.0553		ND	0.0767		ND	0.0846		ND	0.0819		ND	0.094	
Heptachlor	76-44-8	0.068	MG/KG	ND	0.0026		ND	0.00553		ND	0.00767		ND	0.00846		ND	0.00819		ND	0.00533	
Heptachlor Epoxide	1024-57-3	0.00247	MG/KG	ND	0.0026		ND	0.027		ND	0.00767		ND	0.00846		ND	0.00819		ND	0.00533	
Methoxychlor	72-43-5	0.0187	MG/KG	ND	0.026		ND	0.0553		ND	0.0767		ND	0.0846		ND	0.0819		ND	0.0533	
Toxaphene	8001-35-2	0.001	MG/KG	ND	0.168		ND	0.358		ND	0.497		ND	0.547		ND	0.53		ND	0.345	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	NS	MG/KG	NA			NA			NA			NA			1.60E-06	1.10E-06	J	NA		
<b>Metals</b>																					
Antimony	7440-36-0	2	MG/KG	ND	1.24		ND	1.32		ND	1.8		ND	2.02		ND	1.98		1.31	1.29	J
Arsenic	7440-38-2	9.8	MG/KG	6.15	1.01		7.87	1.08		7.75	1.47		7.56	1.65		71.3	1.61		12.4	1.05	
Beryllium	7440-41-7	NS	MG/KG	1.39	0.0651		1.18	0.0692		0.984	0.0942	J	1.05	0.106	J	0.680	0.104	J	0.967	0.0674	
Cadmium	7440-43-9	0.99	MG/KG	0.335	0.13	J	2.82	0.138		1.68	0.188		2.00	0.212		3.32	0.207		2.62	0.135	
Chromium	7440-47-3	43.4	MG/KG	38.4	0.802		88.6	0.853		69.1	1.16		70.7	1.31		226	1.28		80.9	0.831	
Copper	7440-50-8	31.6	MG/KG	21.1	0.454		101	0.483		111	0.657		106	0.739		148	0.723		89.6	0.47	
Lead	7439-92-1	35.8	MG/KG	52.5	1.18		274	1.26		374	1.71		162	1.92		193	1.88		261	1.22	
Mercury	7439-97-6	0.18	MG/KG	0.0785	0.0039	J	0.528	0.0042		0.327	0.0059		0.286	0.0063		0.675	0.0062		0.548	0.0041	
Nickel	7440-02-0	22.7	MG/KG	29.1	0.5		52.6	0.531		46.3	0.723		47.2	0.813		27.6	0.795		43.1	0.517	
Selenium	7782-49-2	2	MG/KG	ND	1.45		ND	1.55		ND	2.1		ND	2.36		4.24	2.31	J	1.60	1.5	J
Silver	7440-22-4	1	MG/KG	ND	0.288		ND	0.306		0.747	0.416	J	ND	0.468		ND	0.458		ND	0.298	
Thallium	7440-28-0	NS	MG/KG	1.85	1.45	J	2.46	1.55	J	ND	2.1		2.42	2.36	J	4.21	2.31	J	2.79	1.5	J
Zinc	7440-66-6	121	MG/KG	185	0.696		530	0.741		443	1.01		503	1.13		358	1.11		405	0.721	

**Notes:**

\*The sediment criteria used for comparison to the site analytical results are the EPA Region 3 Freshwater Sediment Screening Benchmarks. In the absence of EPA Region 3 criteria for PCB Arochlords, the NJDEP Freshwater Sediment Screening Guidelines were used.

B- Compound was also detected in the blank

J- The reported concentration for this analyte is an estimated value

NA- Not Analyzed

ND- Not Detected above detection limit

TICs- Tentatively identified compounds



**Table 5-1**  
**Maximum Concentrations of Contaminants - Soil**  
**Trainer Industries, LLC/Former Metro Container Corporation Site**  
**Trainer, Pennsylvania**

	CAS #	Result (MG/KG)	Field ID	Depth (ft)	Sample Date
<b>VOs</b>					
Benzene	71-43-2	3.9 J	05-MET-115	13-13.5	8/8/2005
Chlorobenzene	108-90-7	3.4	05-MET-083	2.5-3	8/12/2005
Chloroethane	75-00-3	0.031	05-MET-076A	4.5-5	8/17/2005
Chloroform	67-66-3	0.004 J	05-MET-042	2-2.5	8/19/2005
1,1-Dichloroethane	75-34-3	3.8	05-MET-082	2.25-2.75	8/12/2005
cis-1,2-Dichloroethylene	156-59-2	9.0	05-MET-109	5.75-6.25	8/19/2005
trans-1,2-Dichloroethylene	156-60-5	0.36	05-MET-021	8.5-9	8/15/2005
Ethylbenzene	100-41-4	60	05-MET-083	2.5-3	8/12/2005
Methyl tert-Butyl ether (MTBE)	1634-04-4	0.0007 J	05-MET-103V	18.5-19	8/11/2005
Methylene chloride	75-09-2	0.13	05-MET-119	5-5.5	8/11/2005
1,1,2,2-Tetrachloroethane	79-34-5	0.17 J	05-MET-060	5.5-6	8/16/2005
Tetrachloroethylene (PCE)	127-18-4	26 J	05-MET-115	13-13.5	8/8/2005
1,1,1-Trichloroethane	71-55-6	0.014	05-MET-038	4.5-5	8/19/2005
Trichloroethylene (TCE)	79-01-6	33 J	05-MET-115	13-13.5	8/8/2005
Trichlorofluoromethane	75-69-4	0.019	05-MET-045S	1.5-2	8/22/2005
tert-Butyl alcohol (TBA)	75-65-0	0.17 J	05-MET-074	6.75-7.25	8/22/2005
Toluene	108-88-3	180	05-MET-115	13-13.5	8/8/2005
Vinyl chloride	75-01-4	1.3	05-MET-021	8.5-9	8/15/2005
Xylenes (total)	1330-20-7	270	05-MET-104S	1.5-2	8/11/2005
VO TICs		5002.2	05-MET-100	17.5-18	8/9/2005



**Table 5-1**  
**Maximum Concentrations of Contaminants - Soil**  
**Trainer Industries, LLC/Former Metro Container Corporation Site**  
**Trainer, Pennsylvania**

	CAS #	Result (MG/KG)	Field ID	Depth (ft)	Sample Date
<b><u>BNs</u></b>					
Acenaphthene	83-32-9	41	05-MET-074	6.75-7.25	8/22/2005
Acenaphthylene	208-96-8	8.8	05-MET-094	5.5-6	8/11/2005
Anthracene	120-12-7	72 J	05-MET-107	7.5-8	8/10/2005
Benzo(a)anthracene	56-55-3	1000	05-MET-107	7.5-8	8/10/2005
Benzo(a)pyrene	50-32-8	990	05-MET-107	7.5-8	8/10/2005
Benzo(b)fluoranthene	205-99-2	370	05-MET-107	7.5-8	8/10/2005
Benzo(g,h,i)perylene	191-24-2	580	05-MET-107	7.5-8	8/10/2005
Benzo(k)fluoranthene	207-08-9	130	05-MET-107	7.5-8	8/10/2005
Butyl benzyl phthalate	85-68-7	8.3	05-MET-104S	1.5-2	8/11/2005
bis(2-Ethylhexyl) phthalate	117-81-7	160	05-MET-106	6.5-7	8/9/2005
bis(2-Ethylhexyl) phthalate	117-81-7	160	05-MET-083	2.5-3	8/12/2005
Chrysene	218-01-9	1300	05-MET-107	7.5-8	8/10/2005
Dibenzo(a,h)anthracene	53-70-3	330	05-MET-107	7.5-8	8/10/2005
1,2-Dichlorobenzene	95-50-1	56	05-MET-072	4-4.5	8/22/2005
1,3-Dichlorobenzene	541-73-1	9.9	05-MET-001	5.5-6	8/19/2005
1,4-Dichlorobenzene	106-46-7	3.9 J	05-MET-115	13-13.5	8/8/2005
2,4-Dichlorophenol	120-83-2	1.8 J	05-MET-061	7.5-8	8/15/2005
3,3'-Dichlorobenzidine	91-94-1	0.24 J	05-MET-017	7-7.5	8/18/2005
Diethyl phthalate	84-66-2	0.44 J	05-MET-086	2.5-3	8/12/2005
Dimethyl phthalate	131-11-3	1.0 J	05-MET-081	2.5-3	8/12/2005
2,4-Dimethylphenol	105-67-9	8.9 J	05-MET-083	2.5-3	8/12/2005
Di-n-butyl phthalate	84-74-2	5.1 J	05-MET-104S	1.5-2	8/11/2005
Di-n-octylphthalate	117-84-0	4.7	05-MET-032	4.5-5	8/11/2005
4,6-Dinitro-2-methylphenol	534-52-1	7.0 J	05-MET-116	12.5-13	8/10/2005
2,4-Dinitrotoluene	121-14-2	1.6	05-MET-092	7.5-8	8/9/2005
Fluorene	86-73-7	36	05-MET-074	6.75-7.25	8/22/2005
Fluoranthene	206-44-0	120 J	05-MET-107	7.5-8	8/10/2005
Hexachlorobenzene	118-74-1	11	05-MET-109S	1.5-2	8/19/2005
Indeno(1,2,3-c,d)pyrene	193-39-5	210	05-MET-107	7.5-8	8/10/2005
Isophorone	78-59-1	2.7	05-MET-062	5.25-5.75	8/15/2005
1-Methylnaphthalene	90-12-0	250	05-MET-074	6.75-7.25	8/22/2005
Naphthalene	91-20-3	150	05-MET-106	6.5-7	8/9/2005
N-Nitrosodiphenylamine	86-30-6	23	05-MET-115	13-13.5	8/8/2005
Pentachlorophenol	87-86-5	23 J	05-MET-115	13-13.5	8/8/2005
Phenanthrene	85-01-8	310	05-MET-107	7.5-8	8/10/2005
Phenol	108-95-2	33	05-MET-115	13-13.5	8/8/2005
Pyrene	129-00-0	1200	05-MET-107	7.5-8	8/10/2005
2,4,6-Trichlorophenol	88-06-2	1.1	05-MET-112	9-9.5	8/9/2005
1,2,4-Trichlorobenzene	120-82-1	66	05-MET-115	13-13.5	8/8/2005
SVO TICs		35550	05-MET-074	6.75-7.25	8/22/2005



**Table 5-1**  
**Maximum Concentrations of Contaminants - Soil**  
**Trainer Industries, LLC/Former Metro Container Corporation Site**  
**Trainer, Pennsylvania**

	CAS #	Result (MG/KG)	Field ID	Depth (ft)	Sample Date
<b><u>General Chemistry</u></b>					
Cyanide	57-12-5	4.7	05-MET-116	12.5-13	8/10/2005
Phenolics, Total Recoverable		78.8	05-MET-115	13-13.5	8/8/2005
Moisture Content		67.3 (% W/W)	05-MET-092	7.5-8	8/9/2005
<b><u>Pesticides/PCBs</u></b>					
Aldrin	309-00-2	0.0127 J	05-MET-050S	1.5-2	8/22/2005
PCB-1248 (Arochlor 1248)	12672-29-6	744	05-MET-075	3.75-4.25	8/22/2005
PCB-1254 (Arochlor 1254)	11097-69-1	417	05-MET-072	4-4.5	8/22/2005
PCB-1260 (Arochlor 1260)	11096-82-5	1300	05-MET-129	5-5.5	8/22/2005
Alpha BHC	319-84-6	0.147 J	05-MET-044	4.5-5	8/22/2005
Beta BHC	319-85-7	0.147 J	05-MET-044	4.5-5	8/22/2005
Delta BHC	319-86-8	0.139 J	05-MET-044	4.5-5	8/22/2005
Dieldrin	60-57-1	2.70	05-MET-050S	1-1.5	8/22/2005
Gamma BHC - Lindane	58-89-9	0.0201 J	05-MET-032	4.5-5	8/11/2005
Chlordane	57-74-9	27.1	05-MET-001	5.5-6	8/19/2005
p,p-DDD	72-54-8	52.2	05-MET-133	8-8.5	8/23/2005
p,p-DDE	72-55-9	1.07 J	05-MET-092	7.5-8	8/9/2005
p,p-DDT	50-29-3	32.5	05-MET-133	8-8.5	8/23/2005
Endosulfan II	33213-65-9	1.11 J	05-MET-119	5-5.5	8/11/2005
Endrin	72-20-8	0.0666 J	05-MET-035	6.5-7	8/18/2005
Endrin Aldehyde	7421-93-4	1.11 J	05-MET-062	5.25-5.75	8/15/2005
Heptachlor	76-44-8	0.0120	05-MET-105	11.75-12.25	8/9/2005
Heptachlor Epoxide	1024-57-3	0.0124 J	05-MET-053	5.5-6	8/23/2005
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746016	64 (PG/G)	05-MET-116	12.5-13	8/10/2005
<b><u>Metals</u></b>					
Antimony	7440-36-0	59.3	05-MET-115	13-13.5	8/8/2005
Arsenic	7440-38-2	92.1	05-MET-119	5-5.5	8/11/2005
Barium	7440-39-3	215	05-TISD-01	0-0.5	8/11/2005
Beryllium	7440-41-7	16.0	05-MET-082	2.25-2.75	8/12/2005
Cadmium	7440-43-9	376	05-MET-115	13-13.5	8/8/2005
Chromium	7440-47-3	4530	05-MET-115	13-13.5	8/8/2005
Copper	7440-50-8	24700	05-MET-075	3.75-4.25	8/22/2005
Lead	7439-92-1	19300	05-MET-115	13-13.5	8/8/2005
Mercury	7439-97-6	24.0	05-MET-115	13-13.5	8/8/2005
Nickel	7440-02-0	251	05-MET-075	3.75-4.25	8/22/2005
Selenium	7782-49-2	27.8	05-MET-013	3-3.5	8/12/2005
Silver	7440-22-4	9.54	05-MET-083	2.5-3	8/12/2005
Thallium	7440-28-0	12.7 J	05-MET-082	2.25-2.75	8/12/2005
Zinc	7440-66-6	8150	05-MET-075	3.75-4.25	8/22/2005



**Table 5-1**  
**Maximum Concentrations of Contaminants - Groundwater**  
**Trainer Industries, LLC/Former Metro Container Corporation Site**  
**Trainer, Pennsylvania**

	CAS #	Result (UG/KG)	Field ID	Depth (ft)	Sample Date
<b>VOs</b>					
Benzene	71-43-2	110	05-MET-114	0-20	8/8/2005
Carbon tetrachloride	56-23-5	200	05-MET-129	2-12	8/22/2005
Chlorobenzene	108-90-7	68	05-MET-114	0-20	8/8/2005
Chloroethane	75-00-3	52	05-MET-114	0-20	8/8/2005
Chloroform	67-66-3	45	05-MET-129	2-12	8/22/2005
Chloromethane	74-87-3	5 J	05-MET-035	5-15	8/18/2005
Ethylene Dibromide (EDB)	106-93-4	0.17	05-MET-084	0-10	8/12/2005
1,1-Dichloroethane	75-34-3	100	05-MET-115	0-19	8/9/2005
1,2-Dichloroethane	107-06-2	2 J	05-MET-045	0-12	8/22/2005
1,1-Dichloroethene	75-35-4	12	05-MET-129	2-12	8/22/2005
cis-1,2-Dichloroethylene	156-59-2	200	05-MET-062	0-7	8/15/2005
trans-1,2-Dichloroethylene	156-60-5	33	05-MET-090	0-10	8/12/2005
Ethylbenzene	100-41-4	680	05-MET-062	0-7	8/15/2005
Methyl tert-Butyl ether (MTBE)	1634-04-4	3 J	05-MET-044	0-15	8/22/2005
Methyl tert-Butyl ether (MTBE)	1634-04-4	3 J	05-MET-096	5-15	8/10/2005
Methyl tert-Butyl ether (MTBE)	1634-04-4	3 J	05-MET-098	0-17	8/12/2005
Methylene chloride	75-09-2	20 J	05-MET-114	0-20	8/8/2005
Tetrachloroethylene (PCE)	127-18-4	140	05-MET-062	0-7	8/15/2005
1,1,1-Trichloroethane	71-55-6	19	05-MET-129	2-12	8/22/2005
1,1,2-Trichloroethane	79-00-5	58	05-MET-045	0-12	8/22/2005
Trichloroethylene (TCE)	79-01-6	340	05-MET-062	0-7	8/15/2005
Trichlorofluoromethane	75-69-4	5 J	05-MET-045	0-12	8/22/2005
tert-Butyl alcohol (TBA)	75-65-0	200 J	05-MET-124	3-13	8/11/2005
Toluene	108-88-3	3800	05-MET-062	0-7	8/15/2005
Vinyl chloride	75-01-4	67	05-MET-114	0-20	8/8/2005
Xylenes (total)	1330-20-7	3200	05-MET-007	0-10	8/15/2005
VO TICs		15000	05-MET-121	0-15	8/10/2005



**Table 5-1**  
**Maximum Concentrations of Contaminants - Groundwater**  
**Trainer Industries, LLC/Former Metro Container Corporation Site**  
**Trainer, Pennsylvania**

	CAS #	Result (UG/KG)	Field ID	Depth (ft)	Sample Date
<b><u>BNs</u></b>					
Acenaphthene	83-32-9	580	05-MET-059	5-20	8/17/2005
Acenaphthylene	208-96-8	120 J	05-MET-095	3-13	8/10/2005
Anthracene	120-12-7	1700	05-MET-059	5-20	8/17/2005
Benzo(a)anthracene	56-55-3	4100	05-MET-125	0-16	8/10/2005
Benzo(a)pyrene	50-32-8	3400	05-MET-125	0-16	8/10/2005
Benzo(b)fluoranthene	205-99-2	2400	05-MET-125	0-16	8/10/2005
Benzo(g,h,i)perylene	191-24-2	4000	05-MET-125	0-16	8/10/2005
Benzo(k)fluoranthene	207-08-9	670	05-MET-125	0-16	8/10/2005
Butyl benzyl phthalate	85-68-7	23 J	05-MET-130	0-15	8/17/2005
bis(2-Ethylhexyl) phthalate	117-81-7	4600	05-MET-032	0-15	8/11/2005
2-Chloronaphthalene	91-58-7	28 J	05-MET-059	5-20	8/17/2005
Chrysene	218-01-9	6400	05-MET-034	0-17	8/18/2005
Dibenzo(a,h)anthracene	53-70-3	2200	05-MET-125	0-16	8/10/2005
1,2-Dichlorobenzene	95-50-1	2300	05-MET-114	0-20	8/8/2005
1,3-Dichlorobenzene	541-73-1	170 J	05-MET-114	0-20	8/8/2005
1,4-Dichlorobenzene	106-46-7	610	05-MET-114	0-20	8/8/2005
2,4-Dichlorophenol	120-83-2	30 J	05-MET-104	0-16	8/11/2005
Diethyl phthalate	84-66-2	9	05-MET-022	0-12	8/15/2005
2,4-Dimethylphenol	105-67-9	3000	05-MET-114	0-20	8/8/2005
Di-n-butyl phthalate	84-74-2	280	05-MET-114	0-20	8/8/2005
1,4-Dioxane	123-91-1	92	05-MET-115	0-19	8/9/2005
Fluoranthene	206-44-0	1200	05-MET-114	0-20	8/8/2005
Fluorene	86-73-7	480	05-MET-059	5-20	8/17/2005
Fluorene	86-73-7	480	05-MET-114	0-20	8/8/2005
Indeno(1,2,3-c,d)pyrene	193-39-5	1500	05-MET-125	0-16	8/10/2005
Isophorone	78-59-1	530	05-MET-062	0-7	8/15/2005
1-Methylnaphthalene	90-12-0	2800	05-MET-114	0-20	8/8/2005
Naphthalene	91-20-3	4900	05-MET-114	0-20	8/8/2005
N-Nitrosodiphenylamine	86-30-6	2500	05-MET-114	0-20	8/8/2005
Pentachlorophenol	87-86-5	380 J	05-MET-114	0-20	8/8/2005
Phenanthrene	85-01-8	3300	05-MET-059	5-20	8/17/2005
Phenol	108-95-2	3800	05-MET-062	0-7	8/15/2005
Pyrene	129-00-0	5300	05-MET-125	0-16	8/10/2005
2,4,6-Trichlorophenol	88-06-2	2 J	05-MET-092	3-13	8/9/2005
1,2,4-Trichlorobenzene	120-82-1	2700	05-MET-114	0-20	8/8/2005
SVO TICs		932000	05-MET-066	5-15	8/16/2005
<b><u>General Chemistry</u></b>					
Cyanide	57-12-5	530	05-MET-086	0-10	8/12/2005
Phenolics, Total Recoverable		9600	05-MET-062	0-7	8/15/2005



**Table 5-1**  
**Maximum Concentrations of Contaminants - Groundwater**  
**Trainer Industries, LLC/Former Metro Container Corporation Site**  
**Trainer, Pennsylvania**

	CAS #	Result (UG/KG)	Field ID	Depth (ft)	Sample Date
<b><u>Pesticides/PCBs</u></b>					
Aldrin	309-00-2	0.076 J	05-MET-050	0-15	8/22/2005
PCB-1248 (Arochlor 1248)	12672-29-6	3700	05-MET-110	0.5-16	8/9/2005
PCB-1254 (Arochlor 1254)	11097-69-1	3100	05-MET-110	0.5-16	8/9/2005
PCB-1260 (Arochlor 1260)	11096-82-5	6400	05-MET-114	0-20	8/8/2005
Alpha BHC	319-84-6	11	05-MET-048	0-15	8/22/2005
Beta BHC	319-85-7	56	05-MET-048	0-15	8/22/2005
Delta BHC	319-86-8	100	05-MET-048	0-15	8/22/2005
Gamma BHC - Lindane	58-89-9	1.3	05-MET-048	0-15	8/22/2005
Chlordane	57-74-9	280	05-MET-104	0-16	8/11/2005
p,p-DDD	72-54-8	14	05-MET-056	0-16	8/23/2005
p,p-DDE	72-55-9	31	05-MET-119	2-12	8/11/2005
p,p-DDT	50-29-3	120	05-MET-056	0-16	8/23/2005
Dieldrin	60-57-1	7.6	05-MET-050	0-15	8/22/2005
Endosulfan I	959-98-8	0.48 J	05-MET-125	0-16	8/10/2005
Endosulfan II	33213-65-9	6.6 J	05-MET-035	5-15	8/18/2005
Endrin	72-20-8	23	05-MET-035	5-15	8/18/2005
Endrin Aldehyde	7421-93-4	12 J	05-MET-119	2-12	8/11/2005
Heptachlor	76-44-8	0.0074 J	05-MET-090	0-10	8/12/2005
Heptachlor Epoxide	1024-57-3	1.1 J	05-MET-119	2-12	8/11/2005
<b><u>Total Metals</u></b>					
Antimony	7440-36-0	1410	05-MET-114	0-20	8/8/2005
Arsenic	7440-38-2	4790	05-MET-103	0-19	8/11/2005
Beryllium	7440-41-7	306	05-MET-059	5-20	8/17/2005
Cadmium	7440-43-9	7730	05-MET-114	0-20	8/8/2005
Chromium	7440-47-3	121000	05-MET-114	0-20	8/8/2005
Copper	7440-50-8	35500	05-MET-103	0-19	8/11/2005
Lead	7439-92-1	512000	05-MET-114	0-20	8/8/2005
Mercury	7439-97-6	130	05-MET-114	0-20	8/8/2005
Nickel	7440-02-0	6380	05-MET-103	0-19	8/11/2005
Selenium	7782-49-2	1200	05-MET-036	5-15	8/18/2005
Silver	7440-22-4	239	05-MET-082	0-10	8/12/2005
Thallium	7440-28-0	540	05-MET-036	5-15	8/18/2005
Zinc	7440-66-6	232000	05-MET-114	0-20	8/8/2005
<b><u>Dissolved Metals</u></b>					
Antimony	7440-36-0	125	05-MET-062	0-7	8/15/2005
Arsenic	7440-38-2	480	05-MET-104	0-16	8/11/2005
Beryllium	7440-41-7	6.7	05-MET-104	0-16	8/11/2005
Cadmium	7440-43-9	91.2	05-MET-104	0-16	8/11/2005
Chromium	7440-47-3	979	05-MET-123	7-17	8/9/2005
Copper	7440-50-8	6440	05-MET-104	0-16	8/11/2005
Lead	7439-92-1	4640	05-MET-104	0-16	8/11/2005
Mercury	7439-97-6	93.5	05-MET-104	0-16	8/11/2005
Nickel	7440-02-0	527	05-MET-104	0-16	8/11/2005
Selenium	7782-49-2	57.6 J	05-MET-104	0-16	8/11/2005
Silver	7440-22-4	10.2	05-MET-053	0-15	8/23/2005
Thallium	7440-28-0	32.0	05-MET-053	0-15	8/23/2005
Zinc	7440-66-6	9690	05-MET-058	1.5-16.5	38580



**Table 5-1**  
**Maximum Concentrations of Contaminants - Sediment**  
**Trainer Industries, LLC/Former Metro Container Corporation Site**  
**Trainer, Pennsylvania**

	CAS #	Result (MG/KG)	Field ID	Depth (ft)	Sample Date
<b><u>VOs</u></b>					
Benzene	71-43-2	0.003 J	05-METS-03	0-0.5	8/15/2005
Chlorobenzene	108-90-7	0.009 J	05-METS-04	0-0.5	8/15/2005
cis-1,2-Dichloroethylene	156-59-2	0.008	05-METS-06	0-0.5	8/15/2005
Ethylbenzene	100-41-4	0.007 J	05-METS-04	0-0.5	8/15/2005
Methyl tert-Butyl ether (MTBE)	1634-04-4	0.002 J	05-METS-04	0-0.5	8/15/2005
Toluene	108-88-3	0.006 J	05-METS-03	0-0.5	8/15/2005
Toluene	108-88-3	0.006 J	05-METS-04	0-0.5	8/15/2005
Xylenes (total)	1330-20-7	0.013 J	05-METS-04	0-0.5	8/15/2005
VO TICs		14.78	05-METS-04	0-0.5	8/15/2005
<b><u>BNs</u></b>					
Acenaphthene	83-32-9	0.38	05-METS-06	0-0.5	8/15/2005
Acenaphthylene	208-96-8	0.29	05-METS-06	0-0.5	8/15/2005
Anthracene	120-12-7	1.1	05-METS-06	0-0.5	8/15/2005
Benzo(a)anthracene	56-55-3	2.5	05-METS-06	0-0.5	8/15/2005
Benzo(a)pyrene	50-32-8	2.2	05-METS-06	0-0.5	8/15/2005
Benzo(b)fluoranthene	205-99-2	2.8	05-METS-06	0-0.5	8/15/2005
Benzo(g,h,i)perylene	191-24-2	1.3	05-METS-06	0-0.5	8/15/2005
Benzo(g,h,i)perylene	191-24-2	1.3	05-METS-03	0-0.5	8/15/2005
Benzo(k)fluoranthene	207-08-9	1.2	05-METS-06	0-0.5	8/15/2005
Butyl benzyl phthalate	85-68-7	0.43	05-METS-04	0-0.5	8/15/2005
bis(2-Ethylhexyl) phthalate	117-81-7	3.8	05-METS-04	0-0.5	8/15/2005
Chrysene	218-01-9	2.9	05-METS-06	0-0.5	8/15/2005
Dibenzo(a,h)anthracene	53-70-3	0.48	05-METS-06	0-0.5	8/15/2005
1,2-Dichlorobenzene	95-50-1	0.072 J	05-METS-06	0-0.5	8/15/2005
Fluoranthene	206-44-0	4.0	05-METS-06	0-0.5	8/15/2005
Fluorene	86-73-7	0.55	05-METS-06	0-0.5	8/15/2005
Indeno(1,2,3-c,d)pyrene	193-39-5	1.3	05-METS-03	0-0.5	8/15/2005
1-Methylnaphthalene	90-12-0	0.15 J	05-METS-06	0-0.5	8/15/2005
Naphthalene	91-20-3	0.24 J	05-METS-06	0-0.5	8/15/2005
Phenanthrene	85-01-8	3.3	05-METS-06	0-0.5	8/15/2005
Pyrene	129-00-0	4.7	05-METS-06	0-0.5	8/15/2005
SVO TICs		148.8	05-METS-04	0-0.5	8/15/2005



**Table 5-1**  
**Maximum Concentrations of Contaminants - Sediment**  
**Trainer Industries, LLC/Former Metro Container Corporation Site**  
**Trainer, Pennsylvania**

	CAS #	Result (MG/KG)	Field ID	Depth (ft)	Sample Date
<b><u>General Chemistry</u></b>					
Moisture Content		59.8 (% W/W)	05-METS-04	0-0.5	8/15/2005
<b><u>Pesticides/PCBs</u></b>					
PCB-1248 (Arochlor 1248)	12672-29-6	3.30	05-METS-06	0-0.5	8/15/2005
PCB-1254 (Arochlor 1254)	11097-69-1	2.65	05-METS-06	0-0.5	8/15/2005
PCB-1260 (Arochlor 1260)	11096-82-5	2.14	05-METS-06	0-0.5	8/15/2005
Chlordane	57-74-9	0.354 J	05-METS-04	0-0.5	8/15/2005
p,p-DDD	72-54-8	1.53	05-METS-04	0-0.5	8/15/2005
p,p-DDT	50-29-3	2.43	05-METS-04	0-0.5	8/15/2005
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746016	1.6 J (PG/G)	05-METS-05	0-0.5	8/15/2005
<b><u>Metals</u></b>					
Antimony	7440-36-0	1.31 J	05-METS-06	0-0.5	8/15/2005
Arsenic	7440-38-2	71.3	05-METS-05	0-0.5	8/15/2005
Beryllium	7440-41-7	1.39	05-METS-01	0-0.5	8/15/2005
Cadmium	7440-43-9	3.32	05-METS-05	0-0.5	8/15/2005
Chromium	7440-47-3	226	05-METS-05	0-0.5	8/15/2005
Copper	7440-50-8	148	05-METS-05	0-0.5	8/15/2005
Lead	7439-92-1	374	05-METS-03	0-0.5	8/15/2005
Mercury	7439-97-6	0.675	05-METS-05	0-0.5	8/15/2005
Nickel	7440-02-0	52.6	05-METS-02	0-0.5	8/15/2005
Selenium	7782-49-2	4.24 J	05-METS-05	0-0.5	8/15/2005
Silver	7440-22-4	0.747 J	05-METS-03	0-0.5	8/15/2005
Thallium	7440-28-0	4.21 J	05-METS-05	0-0.5	8/15/2005
Zinc	7440-66-6	530	05-METS-02	0-0.5	8/15/2005

Value exceeds PA ACT 2 Non-Residential Used Aquifer, TDS < 2500 Soil Medium Specific Concentration  
The sediment criteria used for comparison to the site analytical results are the EPA Region 3 Freshwater Sediment  
Screening Benchmarks. In the absence of EPA Region 3 criteria for PCB Arochlors,  
the NJDEP Freshwater Sediment Screening Guidelines were used.

J- The reported concentration for this analyte is an estimated value

All soil and sediment results are presented in MG/KG and groundwater in UG/KG unless otherwise noted