



*Transmitted Electronically*

October 19, 2008

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**Subject: Removal Site Evaluation Report, Revision 1  
Huntsville Gas  
EPA Contract No. EP-W-05-053  
Technical Direction Document (TDD) No. TNA-05-003-0063**

Dear Mr. Huyser:

T N & Associates, Inc. (TN&A) Superfund Technical Assessment and Response Team (START) is submitting one copy of the Removal Site Evaluation (RSE) Report, Revision 1, for the Huntsville Gas site located in Huntsville, Madison County, Alabama.

Please contact me at (678) 468-9550 if you any questions or comments regarding this report.

Sincerely,

Leland Meadows  
START Project Manager

Enclosure

cc: Katrina Jones, EPA Project Officer  
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Greg Kowalski, START Program Manager (w/o enclosure)  
START File

# **REMOVAL SITE EVALUATION REPORT**

## **HUNTSVILLE GAS HUNTSVILLE, MADISON COUNTY, ALABAMA EPA ID No.: ALN000407462**

**Revision 1**

**Prepared for:**

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## **1.0 INTRODUCTION**

The U.S. Environmental Protection Agency (EPA) tasked the T N & Associates, Inc. (TN&A) Superfund Technical Assessment and Response Team (START) to perform two sampling events in support of a Removal Site Evaluation (RSE) at the Huntsville Gas site (site), located in Huntsville, Madison County, Alabama, under Contract Number (No.) EP-W-05-053, Technical Direction Document (TDD) No. TNA-05-003-0063. The purpose of a RSE is to collect information on current site conditions to identify the nature and extent of contamination and determine the need for federal intervention under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986. Therefore, the analytical data gathered during the sampling events were used to determine whether site-attributable contaminants have been released and pose a threat to human health and/or the environment.

Under this TDD, START completed the following tasks:

- reviewed existing data provided by EPA;
- documented site conditions and RSE field investigation activities with written logbook notes and digital photographs;
- developed a Quality Assurance Project Plan (QAPP) that includes site-specific sampling and analysis procedures and quality assurance measures adhered to while conducting the investigation designed to confirm the presence of heavy metals, cyanide, and/or polynuclear aromatic hydrocarbon (PAH) contamination at the site;
- performed field investigation activities including subsurface soil, sediment, and surface soil sampling as outlined in the QAPP/Sampling and Analysis Plan (SAP); and
- prepared a comprehensive report summarizing the site conditions, RSE field investigation activities, and analytical results of the RSE.

Field activities included the collection of environmental samples to identify the contamination at the site, evaluate the hazardous nature of those contaminants, and determine whether contaminant migration has occurred to nearby residential properties, including the Searcy Homes Development, as a result of historic site activities. This comprehensive RSE report summarizes the existing conditions at the site; describes the two field investigation activities conducted by START; and delineates the limits, nature, and extent of soil and sediment contamination at the site. The RSE report also provides information to assess immediate risks to human health and the environment.

All activities and procedures described in this document were conducted in accordance with the TN&A site-specific QAPP/SAP dated April 25, 2008, the EPA Science and Ecosystems Support Division

(SESD) Region 4 *Field Branches Quality System and Technical Procedures* (FBQSTP), and the Superfund Lead-Contaminated Residential Sites Handbook (Refs. 1; 2; 3). Environmental and quality assurance/quality control (QA/QC) analytical data was evaluated and summary data tables are included as Appendix B. Significant QA/QC issues regarding sample collection, handling, and analysis are identified as necessary within the report.

The following sections provide the details of the RSE Report:

- Section 2 – Describes the site background
- Section 3 – Describes the field investigation
- Section 4 – Describes the quality assurance/quality control
- Section 5 – Describes the analytical results
- Section 6 – Describes the summary and conclusion

Figures and summary data tables are provided as Appendices A and B, respectively. A photographic log is provided as Appendix C, the analytical case narrative report generated by Contract Laboratory Program (CLP) laboratories is provided as Appendix D, the non-CLP laboratory results and case narrative is presented as Appendix E, and a complete copy of the field logbook notes is presented as Appendix F. References are cited throughout the RSE Report to substantiate site-specific statements. The reference list is provided in Section 7.0.

## **2.0 SITE BACKGROUND**

This section describes the site characteristics, site history, and previous investigations conducted at the site.

### **2.1 SITE DESCRIPTION**

The site is located just north of downtown Huntsville, Madison County, Alabama at the northwest corner of Holmes Avenue and Dallas Avenue (see Appendix A, Figure 1). The geographic coordinates from the center of the site are 34° 43' 53.66" degrees North Latitude and 86° 35' 35.29" degrees West Longitude. The site is approximately 1.5 acres in size and is comprised of the remaining portion of the former Huntsville Gas Company and the adjacent residential properties (see Appendix A, Figure 2). The site is bordered to the north by residential properties; to the northwest and west by an unnamed ditch to Pinhook Creek beyond which is the Norfolk Southern railroad line; to the southwest by Pinhook Creek; to the

south by Holmes Avenue; and to the east and northeast by Dallas Avenue. The residential properties comprising the northern portion of the site are part of the Searcy Homes Development. All of the properties within the Searcy Homes Development are owned and operated by the Huntsville Housing Authority (HHA). The property located at 426 Dallas Avenue (comprising the central portion of the site) is owned by the HHA; it consists of a parking lot and community building that houses a HHA field office and space utilized by the Boy Scouts and Girl Scouts. Available file material indicates that these properties may have been part of the former Huntsville Gas Company coal yard.

Based on the topographic map of the area, the property is located at an elevation of approximately 612 feet above mean sea level (amsl). The property is relatively flat and may have been graded during redevelopment making it possible for surface water to flow to the northwest into the unnamed ditch to Pinhook Creek or to the east into the sewer system along Dallas Avenue.

## **2.2 REGIONAL GEOLOGY AND HYDROGEOLOGY**

The City of Huntsville lies within the Interior Low Plateaus of the Highland Rim physiographic province of the State of Alabama. The major aquifer beneath the property is the flat-lying Interior Low Plateau aquifer which is comprised of indurated sedimentary rocks, primarily limestone. Rocks comprising the Interior Low Plateaus aquifer in Alabama are mostly limestone, sandstone, and shale, but also include beds of siltstone, conglomerate, dolomite, and chert. They range in age from Devonian to Pennsylvanian, and most of the formations are continuous from Alabama into extreme northwestern Georgia.

Many of the formations extend into the Valley and Ridge physiographic province, where they are folded. The rocks have little variation in lithology throughout northern Alabama and northwestern Georgia, and the permeability characteristics of the rocks are, accordingly, uniform. Like the Valley and Ridge aquifers, boundaries of geologic formations and aquifers in the Interior Low Plateaus physiographic province are considered to be the same, and, therefore, no aquifers are formally named. In the vicinity of the property, the overlying resistant sandstone has been eroded, exposing the limestone beds of the aquifer at the surface. Limestone underlying wide stream valleys in lowland areas of the Interior Low Plateaus is overlain only by a mantle of residuum. Recharge is principally from precipitation on the valley floor, and the water percolates quickly downward through the residuum into the underlying limestone.

Karst topography commonly develops on the valley floors, especially where the cover of residuum is thin. Groundwater does not usually circulate to great depths in this type of geologic setting. Groundwater flow direction in the Interior Low Plateaus aquifer is affected primarily by topography, structure, and the development of solution openings in the rocks. The aquifer is underlain by Paleozoic rocks consisting of flat-lying indurated sedimentary rocks.

## **2.3 SITE HISTORY AND PREVIOUS INVESTIGATIONS**

Based on available file material, the site operated from 1856 to approximately 1948 as a gas works company. It originated in 1856 as the Huntsville Gas Light Company where rosin from coal was manufactured into gas. In 1932, after several name changes, the facility became the Huntsville Gas Company (HGC). In 1946, the HGC became part of the Alabama Gas Corporation (Alagasco) and the plant was abandoned as the city's distribution system switched from coal gas to propane air gas. Between 1940 and 1950, the City of Huntsville redeveloped the downtown area, removing the shanties and old antebellum homes from Dallas Avenue. In the 1970s, Searcy Home Development constructed residences on portions of the property previously occupied by the HGC.

The site was discovered in 2002 by EPA in cooperation with the Alabama Department of Environmental Management (ADEM). It was listed in the CERCLA Information System (CERCLIS) under identification number ALN000407462 due the potential risk of hazardous waste exposure associated with former facility operations.

In February 2003, EPA, in conjunction with ADEM, conducted a Preliminary Assessment (PA) to determine the nature of the site hazards. The PA revealed that between 1940 and 1950, the former Huntsville Gas Company was no longer in operation and that the City of Huntsville decided to redevelop the downtown area, including the removal of shanties and antebellum homes. Additionally, the following potential chemicals of concern were identified for the site based on historical knowledge of manufactured gas facilities: arsenic, cadmium, cyanide, lead, mercury, benzene, toluene, ethylbenzene, and xylene (BTEX), naphthalene, phenolic compounds, and PAHs.

In February 2004 and September 2007, ADEM in conjunction with EPA, conducted sampling activities as part of a Site Investigation (SI) at the property. During the 2004 SI, field screening and/or laboratory analytical results for groundwater, surface soil, surface water, and sediment samples collected from the

property indicated the presence of contaminants of concern. However, the site received a low priority for further assessment.

In 2007, ADEM conducted an Expanded Site Investigation (ESI) at the property. The ESI sampling consisted of the collection of 132 individual borings to a depth of 18 inches below ground surface (bgs) over three acres of the estimated former HGC footprint. The borings were subsequently composited and analyzed as one sample. Analytical results for the composite soil sample indicated the presence of arsenic, chromium, mercury, cyanide and 14 organic compounds above the Alabama Risk Based Corrective Action (ARBCA) Preliminary Screening Value (PSV) for Direct Contact Exposure in Residential soil. Analytical results for groundwater samples collected during the ESI indicated no contaminants of concern above state screening values.

The site was referred to EPA Emergency Response and Removal Branch (ERRB) in January 2008.

### **3.0 FIELD INVESTIGATION ACTIVITIES**

START performed field investigation activities, including the collection of environmental samples to determine the presence or absence of lead and PAHs, in on-site sediment, surface soil (from the 0 to 6 inch depth interval), and subsurface soils (from the 1 to 2 foot depth interval). Previous investigations at the site indicate that on-site soils up to 18 inches bgs are contaminated with heavy metals and cyanide. In addition, PAHs have also been identified above the ARBCA PSV. Subsurface soil (1 to 2 foot depth interval) and sediment samples were collected during the first of two sampling events to determine whether hazardous substances including heavy metals, cyanide, and PAH contaminants are present at concentrations in excess of the EPA Region 4 recommended risk based Removal Action Level (RAL) and therefore, constitute an immediate threat to human health and/or the environment. In addition, sampling was conducted to identify whether significant source areas were present that would require further assessment and delineation. Surface soil sampling was conducted during the second sampling event to further assess and delineate vertical extent of PAH contamination at several previously sampled locations.

A combined QAPP/SAP was developed for the RSE Report prior to fieldwork (Ref. 5). The QAPP/SAP describes the data quality objectives (DQO), sampling strategy, sampling methodology, and analytical procedures used during the RSE.

The first RSE sampling event was conducted from April 28 to May 2, 2008. The second sampling event was conducted on August 28, 2008. A total of 41 subsurface soil, three sediment samples, and eight composite surface soil samples, including quality control (QC) samples, were collected during the field investigations as follows:

- 41 composite subsurface soil samples, including three field duplicate samples and one background sample, from 37 delineated zones within or around the estimated former Huntsville Gas Company footprint
- three composite soil sediment samples from the stream banks
- eight surface soil samples, including one field duplicate and one background sample, from six delineated zones previously sampled during the April 2008 sampling event.

Table 1 located in Appendix B presents a summary of the samples collected. All samples were collected in accordance with the site-specific TN&A QAPP/SAP and the EPA SEDD FBQSTP. Analytical services for the first sampling event were provided by the EPA CLP facilities and complied with CLP guidance. All subsurface and sediment samples collected were submitted to CLP laboratories for target analyte list (TAL) total metals and cyanide analyses in accordance with CLP Statement of Work (SOW) for Inorganics Analysis (ILM05.3/ILM05.4), and semi-volatile organic compound (SVOC) and low-level PAH analyses by SVOC-Selective Ion Monitoring (SIM) in accordance with CLP SOW for Organic Analysis (SOM01.2). Analytical services for the surface soil samples collected during second sampling event were provided by a subcontracted non-CLP laboratory, Analytical Environmental Services (AES), Atlanta, Georgia. Samples were analyzed for PAHs by SW846 Method 8270 using Selective Ion Monitoring (SIM). Subsurface and surface soil sampling locations are shown on Figure 2 and Figure 3, respectively, located in Appendix A.

The following subsections summarize field investigation activities including subsurface soil sampling (subsection 3.1), sediment soil sampling (subsection 3.2), surface soil sampling (subsection 3.3), and the global positioning system (GPS) survey (subsection 3.4). Table 1 located in Appendix B presents a summary of all of the samples collected and their associated locations. Photographic documentation is provided as Appendix C.

### **3.1 SUBSURFACE SOIL SAMPLING**

Historical soil sampling (up to 18 inches bgs) conducted by ADEM indicated elevated levels of heavy metals, cyanide, and PAH in the areas of former gas company operations. Due to redevelopment of the area encompassing portions of the site, on-site soils are varied and differing in density making it difficult

to achieve representativeness. Therefore, composite subsurface soil samples were collected from the 12 to 18 inches bgs depth interval from the residential properties currently occupying the northern portion of the former HGC property with the following exceptions: START collected soil samples 1 to 2 feet below original grade, beneath the stock piles at locations HG-RES-33, HG-RES-34, and HG-RES-35 (near the southwest portion of the site).

Forty-one (41) 5-point composite subsurface soil samples, including three field duplicates and one background sample, were collected using stainless steel hand-augers from the front and back yards of 20 residential properties, and from grids established over the area previously occupied by the HGC. The background subsurface soil sample was collected in an area located north of the site, assumed to be free of contamination. Aliquots for each sample were thoroughly homogenized in a stainless bowl and then placed in the appropriate containers prior to shipment to CLP laboratories.

While performing field investigation activities, START observed black coal, brick, and wood debris mixed with fill soil throughout the site at the 12 to 18 inch sampling depth interval. START also observed coal material in the surface soil of the Boy Scouts vegetable gardens, identified as locations HG-RES-30 and HG-RES-39.

### **3.2 SOIL SEDIMENT SAMPLING**

START collected three 5-point composite soil/sediment samples from the upper 6 inches of material along the unnamed ditch to Pinhook Creek. Samples were collected to determine whether site-attributable contaminants are migrating off site. Due to the lack of water present in the unnamed ditch, these samples were collected as soils. Aliquots were collected from five sample points at each sample location, homogenized in a stainless steel bowl, and placed in the appropriate containers prior to shipment to CLP laboratories.

Protruding structures such as brick foundations and iron pipes were observed on the creek bank adjacent to the site. In addition, unnatural stratification such as 12 inches of black material beginning 18 inches bgs, were also observed along the 12 to 15 foot drop from the creek bank.

### **3.3 SURFACE SOIL SAMPLING**

During the second sampling event at the site, START collected eight 5-point composite surface soil samples, including one background sample and one field duplicate from 0 to 6 inches bgs. Surface soil samples for this event were collected at previously delineated subsurface sampling locations where elevated PAHs were detected. START observed black coal material in the Boy Scouts garden during the surface soil sampling activities. Aliquots were collected from five sample points at each sample location, homogenized in a stainless steel bowl, and placed in the appropriate containers prior to shipment to AES for analysis.

### **3.4 GLOBAL POSITIONING SYSTEM**

A Trimble™ GeoXT™ Global Positioning System (GPS) was used in the field to survey RSE sampling locations. GPS coordinates were collected from the exact sampling location with the following exceptions. The coordinates for composite soil sample locations were collected from the center of the grid. Additionally, if a station was in an area where a GPS signal could not be received, sampling stations were collected from the nearest point where a signal was received and noted in the field logbook. Table 1 provided in Appendix B presents the GPS coordinates for sampling locations.

## **4.0 QUALITY ASSURANCE/QUALITY CONTROL**

QA/QC data are necessary to determine precision and accuracy and to demonstrate the absence of interferences and/or contamination of sampling equipment, glassware, and reagents. This section describes the QA/QC measures taken and provides an evaluation of the usability of data presented in this report.

All samples were collected in accordance with the EPA SESD FBQSTP, and the guidance presented in the approved site-specific QAPP/SAP (Refs. 1; 5). A total of 41 subsurface soil samples and three sediment samples were collected and analyzed by a CLP laboratory for total metals, cyanide, and SVOCs including PAHs, in accordance with CLP SOWs ILM05.4 and SOM01.2. Specific QC requirements for laboratory analyses are incorporated in the CLP SOW for inorganic analysis (ILM05.4) and organic analysis (SOM01.2). These QC requirements were followed for analytical work on the project. In addition, eight surface soil samples were collected and analyzed by AES for PAHs by SW846-8270 SIM.



#### **4.1 QUALITY ASSURANCE/QUALITY CONTROL SAMPLES**

QC samples included matrix spike (MS)/matrix spike duplicate (MSD) and field duplicate (DUP) samples for inorganic and organic analyses at a rate of one MS/DUP per 20 samples per matrix per analysis. Field duplicate samples were within permissible limits of each other as allowed by the CLP National Functional Guidelines (NFG) for inorganic and organic analysis of soils.

#### **4.2 CLP LABORATORY ANALYSIS**

Data from the CLP laboratory was reviewed and validated by SESD in accordance with the NFG and Data Validation Standard Operating Procedures for CLP Routine Analytical Services (Ref. 6). A case narrative and data qualifier report was generated for the lab data and is presented as Appendix D. The case narrative provides a summary of any deficiencies associated with each lab data set. The data qualifier report alerts the project leader of quality control problems identified during the data validation process. According to the case narrative provided by SESD, low-level concentrations of inorganic elements were identified in the method blank sample associated with one or more of the sample batches for this project. Subsequently, the reported detection limits were adjusted as high as five times blank levels to discount possible false positives due to contamination. Additionally, the arsenic, antimony, cadmium, and selenium sample recovery results in the matrix spike exhibited a low percentage recovery and therefore considered estimates and flagged (J). Performance evaluation samples were considered estimates and flagged (J) due to high percentage recoveries of aluminum and cobalt. The matrix duplicate relative difference for lead and calcium were identified with low recoveries and were considered estimates and flagged (J). Serial dilution percent differences for several inorganic elements were outside of control limits of +/- 10% and therefore considered estimates and flagged (J).

During the SVOC SIM analysis, the majority of the PAHs results were qualified as estimated (J) due to poor lab QC [Performance Evaluation Sample (PES), surrogate, and internal standard] recoveries. Therefore, PAH results qualified as estimated (J) should be considered biased low. The result for pentachlorophenol compound was rejected (R) due to a very low initial calibration response factor. Twenty SVOC compounds exhibited erratic continuing calibration performance. Results for these 20 SVOC compounds were flagged (J). Multiple samples exhibited high and low surrogate recovery known as deuterated monitoring compounds (DMC) and therefore were flagged (J). The matrix spike sample

recovery of pentachlorophenol and N-nitroso-di-n-propylamine were below QC limits and the matrix spike sample recovery for pyrene was above QC limits. Samples with high/low recoveries in the matrix spike were flagged (J).

#### **4.3 NON-CLP LABORATORY ANALYSIS**

START submitted eight samples for PAH analysis by EPA Method 8270C SIM to AES. A case narrative and analytical QC summary report was generated for the laboratory data and is presented as Appendix E. The data obtained from the laboratory was in the form of a summarized data package, which included sample results and summarized quality control results. It did not include any of the raw data results. Therefore, the data validation approach applied to this laboratory report represented an abbreviated assessment of the quality of the data set. This review was not a complete assessment of all possible quality control parameters, nor was this review a complete assessment of each quality control parameter that was reviewed. The review, rather, was intended to identify and present those problems and quality control deficiencies that could be readily identified from the summary data package. Because of the nature of this approach, some problems and deficiencies may not have been identified; as such, this approach may not support some critical uses and required limits on decision-making uncertainty for the data. The following QC data were reviewed:

- Data Completeness
- Holding Times
- Blanks
- Matrix Spike/Matrix Spike Duplicate Samples (MS/MSD)
- Laboratory Control Samples
- Surrogate Recoveries

Several QC criteria were identified outside the QC limits, such as method blank contamination and MS/MSD recoveries; however, data qualifications were unwarranted. Specifically, phenanthrene was detected in the Method Blank at 3 micrograms per kilogram (ug/kg) which is above reporting limit of 1.7 ug/kg. However, associated sample values are greater than approximately 10 times the blank value and therefore, the data was not affected. Additionally, the MS/MSD recoveries for a several PAHs were either biased high or low in MS/MSD sample HG-RES2-04MS/MSD. Qualifications were unwarranted since the spike amount was less than 5 times the parent sample concentration.

## **5.0 SITE INVESTIGATION RESULTS**

The following sections summarize CLP laboratory results for subsurface soil samples and non-CLP laboratory results for surface soil samples collected during both RSE field sampling activities. For the purposes of evaluating sample results, total metals, cyanide, and SVOCs were compared to the applicable recommended site-specific RALs. The RALs are presented as Attachment 1.

### **5.1 SUBSURFACE SOILS**

Forty-one subsurface soil samples, including three field duplicates and one background sample, were submitted to CLP laboratories for total metals, cyanide, SVOC, and SVOC-SIM analyses. Analytical results indicated that all 16 PAH compounds, 11 SVOC, cyanide, and most metals analyzed for were detected in the subsurface soil samples; however, only arsenic, lead, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd) pyrene were detected above the associated RAL. Table 2 in Appendix B presents a summary of the subsurface soil sample analytical results.

PAH compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were detected in all 41 samples. Benzo(a)anthracene was detected at concentrations ranging from 18 to 69,000 micrograms per kilogram (ug/kg) with seven samples exceeding the carcinogenic RAL of 15,000 ug/kg. Benzo(a)pyrene was detected at concentrations ranging from 12 to 55,000 ug/kg with 20 samples exceeding the carcinogenic RAL of 1,500 ug/kg. Benzo(b)fluoranthene was detected at concentrations ranging from 14 to 110,000 ug/kg with eight samples exceeding the carcinogenic RAL of 15,000 ug/kg. Finally, indeno(1,2,3-cd)pyrene was detected at concentrations ranging from 13 to 53,000 ug/kg with six of the samples exceeding the carcinogenic RAL of 15,000 ug/kg. Sample HG-RES-15, located near the western portion of the site, exhibited the highest concentrations for each of the above referenced PAHs.

Arsenic and lead were detected in all subsurface soil samples at concentrations ranging from 6.2 to 41 mg/kg and 36 to 1,900 milligrams per kilogram (mg/kg), respectively. One sample exceeded the carcinogenic RAL for arsenic of 39 mg/kg and one sample exceeded the RAL for lead of 1,200 mg/kg. The highest arsenic concentration was detected in sample HG-RES-19 while the highest lead was detected in sample HG-RES-11.

## 5.2 SOIL SEDIMENT SAMPLES

The samples collected during this portion of the field event were intended to be sediment samples; however, at the time of sampling, no water was present at the sample locations. Therefore, for the purposes of this report, these samples are referred to as soil sediment samples. Three soil sediment samples were submitted to CLP laboratories for total metals, cyanide, SVOC, and SVOC-SIM analyses. Analytical results indicated that all 16 PAH compounds, three SVOC, cyanide, and most metals analyzed for were detected in the soil sediment samples collected from the ditch line; however, only arsenic, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above the associated RAL. Table 3 in Appendix B presents a summary of the analytical results for the soil sediment samples collected from the unnamed ditch to Pinhook Creek.

All PAH compounds were detected in all three soil sediment samples. Benzo(a)anthracene was detected at concentrations ranging from 11,000 to 180,000 ug/kg with all three samples exceeding the carcinogenic RAL of 15,000 ug/kg. Benzo(a)pyrene was detected at concentrations ranging from 10,000 to 170,000 ug/kg with all three samples exceeding the RSL of 1,500 ug/kg. Benzo(b)fluoranthene was detected at concentrations ranging from 12,000 to 210,000 ug/kg with two samples exceeding the carcinogenic RAL of 15,000 ug/kg. Chrysene was detected at concentrations ranging from 9,800 to 150,000 ug/kg with one sample exceeding the carcinogenic RAL of 150,000 ug/kg. Dibenzo(a,h)anthracene was detected at concentrations ranging from 700 to 8,600 ug/kg with two samples exceeding the carcinogenic RAL of 1,500 ug/kg. Finally, indeno(1,2,3-cd)pyrene was detected at concentrations ranging from 5,900 to 91,000 ug/kg with two samples exceeding the carcinogenic RAL of 15,000 ug/kg. Sample HG-RES-43, located in the unnamed ditch line, exhibited the highest concentrations for each of the above referenced PAHs.

Arsenic was detected above the residential carcinogenic RSL in all three soil sediment samples at concentrations ranging from 19 mg/kg to 44 mg/kg; however, only sample HG-RES-43 exhibited exceeded the carcinogenic RAL of 39 mg/kg.

### 5.3 SURFACE SOIL SAMPLES

Eight surface soil samples, including one field duplicate and one background sample, were collected during a second sampling event and submitted to a non-CLP laboratory for SVOC-SIM analyses. Analytical results indicated that all PAH compounds analyzed for were detected in the surface soil samples; however, only benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd) pyrene were detected above the associated RAL. Table 4 in Appendix B presents a summary of the surface soil sample analytical results.

PAH compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected in all eight samples. Benzo(a)anthracene was detected at concentrations ranging from 140 to 36,000 ug/kg with two samples exceeding the carcinogenic RAL of 15,000 ug/kg. Benzo(a)pyrene was detected at concentrations ranging from 150 to 29,000 ug/kg with five samples exceeding the RAL of 1,500 ug/kg. Benzo(b)fluoranthene was detected at concentrations ranging from 200 to 49,000 ug/kg with two samples exceeding the carcinogenic RAL of 15,000 ug/kg. Dibenzo(a,h)anthracene was detected at concentrations ranging from 62 to 4,100 ug/kg exceeding the carcinogenic RAL of 15,000 ug/kg. Finally, indeno(1,2,3-cd)pyrene was detected at concentrations ranging from 130 to 19,000 ug/kg with one sample exceeding the carcinogenic RAL of 15,000 ug/kg. Sample HG-RES2-03, located near the western portion of the site, exhibited the highest concentrations for each of the above referenced PAHs.

## 6.0 SUMMARY AND CONCLUSIONS

Huntsville Gas is a 1.5-acre site located just north of downtown Huntsville, Madison County, Alabama at the northwest corner of Holmes Avenue and Dallas Avenue. It is comprised of the remaining portion of the former HGC and adjacent residential properties. Based on available file material, the site operated from 1856 to approximately 1948 as a gas works company where coal was manufactured into gas. Residential properties located on the northern portion of the site may have been part of the former HGC coal yard. Previous investigations at the site indicate that on-site soils up to 18 inches bgs are contaminated with heavy metals and cyanide. In addition, PAHs have also been identified above the ARBCA PSV for direct contact with human contact.

From April 28 to May 2, 2008, and on August 28, 2008, START performed field investigation activities at the site. Field activities included identification of areas of contamination at the site; evaluation of the

hazardous nature of those contaminants; and compiling and presenting the information to EPA in order to determine the need for federal intervention under CERCLA. A total of 41 composite subsurface soil (12 to 18 inches bgs) samples and three composite soil sediment samples, including QC samples and one background sample were collected and submitted to CLP laboratories for total metals, cyanide, SVOC, and SVOC-SIM analysis. During a follow-up sampling event, eight 5-point composite surface soil (0 to 6 inches bgs) samples, including one field duplicate and one background sample, were collected and submitted to non-CLP laboratory AES for SVOC-SIM analysis.

Laboratory analytical results indicated that elevated concentrations of arsenic and lead exist throughout the site. Arsenic results ranged from 6.2 to 44 mg/kg with one sample exceeding the associated RAL of 39 mg/kg. Lead results ranged from 400 to 1,900 mg/kg with one sample, located north of the former HGC property boundary and east of the Dallas Avenue, NW, exceeding the RAL of 1,200 mg/kg.

In addition, 23 composite subsurface soil and sediment samples exceeded the RAL for at least one PAH compound. Subsurface and sediment soil samples collected from the former gas company were found to contain concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd) pyrene exceeding their associated RAL.

Finally, five composite surface soil samples exceeded the RAL for at least three PAH compounds. All eight surface soil samples collected from the former gas company were found to contain concentrations of benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene with several exceeding their associated RAL.

In order to simplify PAH evaluation at the site, the toxic equivalency factor (TEF) approach was used. The TEF approach was designed to estimate the toxicity of complex mixtures for risk assessment purposes. The Benzo(a)pyrene (BaP) equivalent is based on the EPA 1993 toxicity equivalency factors and the concentrations of the seven individual carcinogenic PAHs. The BaP equivalent calculation is based on a BaP toxicity equivalence factor multiplied by the concentration of the PAH for each of the following seven carcinogenic PAHs:

$$\text{BaP equivalents} = (0.1) \text{ benzo(a)anthracene} + (1.0) \text{ benzo(a)pyrene} + (0.1) \text{ benzo(b)fluoranthene} + \\ (0.01) \text{ benzo(k)fluoranthene} + (0.001) \text{ chrysene} + (0.1) \text{ indeno(1,2,3cd)pyrene}$$

In general, BaP equivalent values were highest (30,564 to 78,718 ug/kg) in subsurface soil samples collected from the northwest portion of the former HGC property, nearest the unnamed drainage ditch to Pinhook Creek, and generally decreased north and south of the former HGC property boundary. Soil sediment samples collected from the ditch line of the unnamed ditch to Pinhook Creek also exhibited high BaP equivalent values (13,648 to 227,800 ug/kg). BaP equivalent values were lowest for those samples collected on the east side of Dallas Highway. Additionally, surface soil samples exhibited high BaP equivalent values, with the highest value of 43,666 ug/kg near the northwest portion of the site.

Based on the results of the sampling investigation, the EPA Region IV Technical Services Section (TSS) has determined that the potential carcinogenic effects associated with exposure to PAHs in surficial soils, defined as 0 to 2 feet bgs, presents a risk to the children in the neighborhood. The EPA TSS also determined that food grown in the Boy Scout gardens presents a risk of PAH ingestion if not thoroughly washed before consumption. Based on the findings of this investigation, the HGC site meets the requirements for initiating a time-critical removal action according to criteria listed in Section 300.415(b)(2) of the National Contingency Plan (NCP). The EPA Enforcement Section is preparing an assessment of liability and ability to pay on all Potentially Responsible Parties (PRPs) related to the site.

## 7.0 REFERENCES

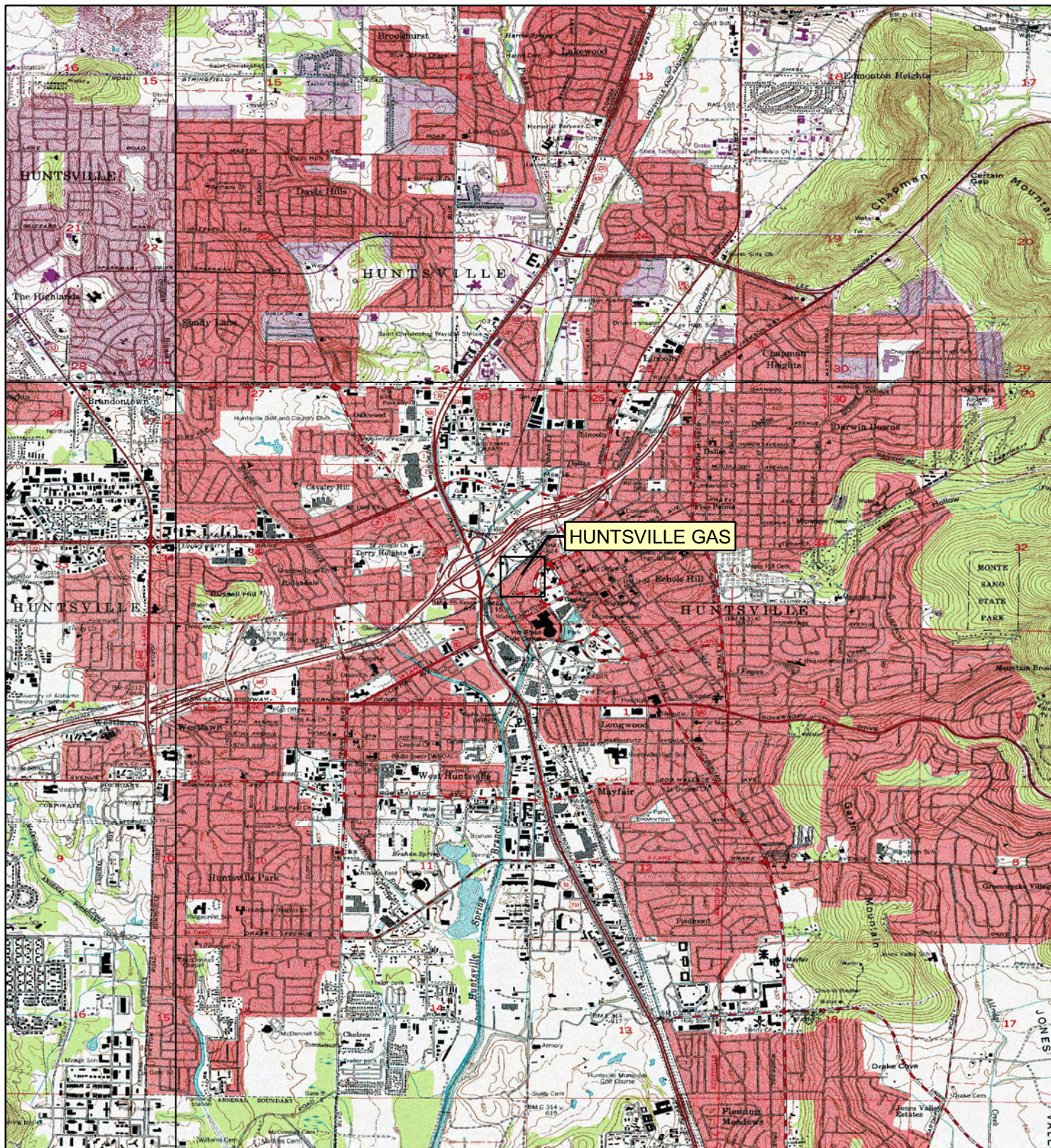
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3. T N & Associates, Inc. (TN&A). Quality Assurance Program Plan (QAPP). January 2006.
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## **APPENDIX A**

### **FIGURES**





SOURCE: MODIFIED FROM USGS 7.5 MINUTE QUADRANGLES: HUNTSVILLE 1996

Disclaimer: This map is intended for visual orientation use only. In no way is this map to be used for precise locational use.

## Legend

 Site Location

0 1 2  
Miles



United States Environmental Protection Agency

HUNTSVILLE GAS  
HUNTSVILLE, MADISON COUNTY,  
ALABAMA

TDD No. TNA-05-003-0063

## FIGURE 1 TOPOGRAPHIC MAP

**TN** T & Associates, Inc.  
**EA** EPA Region 4 START  
In association with Shaw E&I and Aerostar





**Legend**

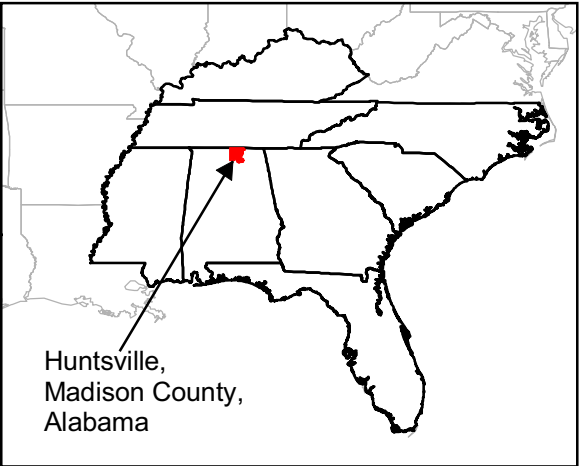
- Surface Soil Sample Location
- Estimated Hunstville Gas Company Boundary
- Property Parcels

NOTE:  
Surface soil samples collected 0- 6 inches.

February 2007 aerial photography and property parcel data provided by Huntsville, AL GIS Department.

0 62.5 125 250  
Feet

N



United States Environmental Protection Agency

HUNTSVILLE GAS  
HUNTSVILLE  
MADISON COUNTY,  
ALABAMA  
TDD No. TNA-05-003-0063




**FIGURE 3  
AUGUST 2008  
SITE SAMPLE  
LAYOUT**

**TN** & Associates, Inc.  
**EA** EPA Region 4 START  
In association with Shaw E&I and Aerostar



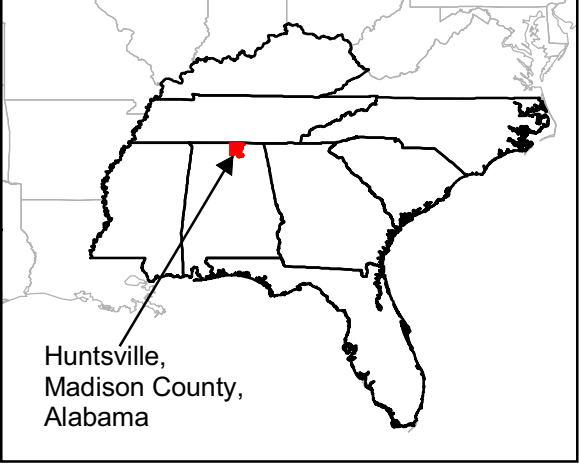
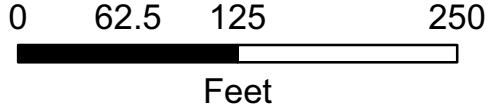


## Legend

-  Subsurface Soil Sample Location
-  Estimated Huntsville Gas Company Boundary
-  Property Parcels

NOTE:  
Surface soil samples collected 0- 6 inches.

February 2007 aerial photography and  
property parcel data provided by  
Huntsville, AL GIS Department.



 United States Environmental Protection Agency

HUNTSVILLE GAS  
HUNTSVILLE  
MADISON COUNTY,  
ALABAMA  
TDD No. TNA-05-003-0063

**FIGURE 2**  
**MAY 2008**  
**SITE SAMPLE**  
**LAYOUT**

**TN** T N & Associates, Inc.  
**&A** EPA Region 4 START  
In association with Shaw E&I and Aerostar



## **APPENDIX B**

### **TABLES**

**TABLE 1**  
**HUNTSVILLE GAS**  
**SUMMARY OF SAMPLE LOCATIONS**

Sample ID	Sample Date	SampleType	Location	Depth	Longitude	Latitude	Property Address
<b>Subsurface Soil</b>							
HG-Res-00	5/1/2008	Field Sample	HG-Res-00	12 -18 inches			Background
HG-Res-01	4/29/2008	Field Sample	HG-Res-01	12 -18 inches	-86.59281522	34.73153349	419 Dallas Avenue
HG-Res-02	4/29/2008	Field Sample	HG-Res-02	12 -18 inches	-86.5926514	34.73148053	419 Dallas Avenue
HG-Res-03	4/29/2008	Field Sample	HG-Res-03	12 -18 inches	-86.59294944	34.73129932	421 Dallas Avenue
HG-Res-04	4/29/2008	Field Sample	HG-Res-04	12 -18 inches	-86.5927493	34.73124666	421 Dallas Avenue
HG-Res-05	4/29/2008	Field Sample	HG-Res-05	12 -18 inches	-86.59302959	34.73106928	423 Dallas Avenue
HG-Res-06	4/29/2008	Field Sample	HG-Res-06	12 -18 inches	-86.59286547	34.73097241	423 Dallas Avenue
HG-Res-07	4/29/2008	Field Sample	HG-Res-07	12 -18 inches	-86.59313508	34.73086878	425 Dallas Avenue
HG-Res-08	4/29/2008	Field Sample	HG-Res-08	12 -18 inches	-86.59291737	34.73082327	425 Dallas Avenue
HG-Res-09	4/29/2008	Field Sample	HG-Res-09	12 -18 inches	-86.59283966	34.73235656	412 Dallas Avenue
HG-Res-10	4/29/2008	Field Sample		12 -18 inches			
HG-Res-11	4/29/2008	Field Duplicate	HG-Res-10	12 -18 inches	-86.59293679	34.73224025	412 Dallas Avenue
HG-Res-12	4/30/2008	Field Sample	HG-Res-12	12 -18 inches	-86.59327093	34.73224613	414 Dallas Avenue
HG-Res-13	4/30/2008	Field Sample	HG-Res-13	12 -18 inches	-86.59311546	34.73215646	414 Dallas Avenue
HG-Res-14	4/30/2008	Field Sample	HG-Res-14	12 -18 inches	-86.59299777	34.73202182	
HG-Res-15	4/30/2008	Field Sample	HG-Res-15	12 -18 inches	-86.59350957	34.73198505	416 Dallas Avenue
HG-Res-16	4/30/2008	Field Sample	HG-Res-16	12 -18 inches	-86.59312368	34.73189647	416 Dallas Avenue
HG-Res-17	4/30/2008	Field Sample	HG-Res-17	12 -18 inches			418 Dallas Avenue
HG-Res-18	4/30/2008	Field Sample	HG-Res-18	12 -18 inches	-86.59329715	34.73177499	418 Dallas Avenue
HG-Res-19	4/30/2008	Field Sample	HG-Res-19	12 -18 inches	-86.59355794	34.73176616	422 Dallas Avenue
HG-Res-20	4/30/2008	Field Sample	HG-Res-20	12 -18 inches	-86.59363329	34.73163446	422 Dallas Avenue
HG-Res-21	4/30/2008	Field Sample	HG-Res-21	12 -18 inches	-86.59331948	34.73171964	420 Dallas Avenue
HG-Res-22	4/30/2008	Field Sample		12 -18 inches			
HG-Res-23	4/30/2008	Field Duplicate	HG-Res-22	12 -18 inches	-86.5933761	34.731546	420 Dallas Avenue
HG-Res-24	4/30/2008	Field Sample	HG-Res-24	12 -18 inches	-86.59394301	34.73154779	424 Dallas Avenue
HG-Res-25	4/30/2008	Field Sample	HG-Res-25	12 -18 inches	-86.59363828	34.7315421	424 Dallas Avenue
HG-Res-26	4/30/2008	Field Sample	HG-Res-26	12 -18 inches	-86.59336781	34.73143918	
HG-Res-27	4/30/2008	Field Sample	HG-Res-27	12 -18 inches	-86.59334112	34.7323384	
HG-Res-28	4/30/2008	Field Sample	HG-Res-28	12 -18 inches	-86.59370388	34.73201599	
HG-Res-29	4/30/2008	Field Sample	HG-Res-29	12 -18 inches	-86.5941717	34.73164602	
HG-Res-30	5/1/2008	Field Sample	HG-Res-30	12 -18 inches	-86.59433734	34.73144797	
HG-Res-31	5/1/2008	Field Sample	HG-Res-31	12 -18 inches	-86.59417176	34.73132862	
HG-Res-32	5/1/2008	Field Sample	HG-Res-32	12 -18 inches	-86.59404073	34.7312312	
HG-Res-33	5/1/2008	Field Sample	HG-Res-33	12 -18 inches	-86.59454709	34.73121118	
HG-Res-34	5/1/2008	Field Sample	HG-Res-34	12 -18 inches	-86.59466897	34.73094545	
HG-Res-35	5/1/2008	Field Sample	HG-Res-35	12 -18 inches	-86.59471284	34.73082025	
HG-Res-36	5/1/2008	Field Sample	HG-Res-36	12 -18 inches	-86.59425839	34.73103877	
HG-Res-37	5/1/2008	Field Sample		12 -18 inches			
HG-Res-40	5/1/2008	Field Duplicate	HG-Res-37	12 -18 inches	-86.59404678	34.73093333	
HG-Res-38	5/1/2008	Field Sample	HG-Res-38	12 -18 inches	-86.59362168	34.73098193	
HG-Res-39	5/1/2008	Field Sample	HG-Res-39	12 -18 inches	-86.5937437	34.73079679	
<b>Soil/Sediment</b>							
HG-Res-41	5/1/2008	Field Sample	HG-Res-41	0-6 inches	-86.59461596	34.73134341	Unnamed Ditch to Pinhook Creek
HG-Res-42	5/1/2008	Field Sample	HG-Res-42	0-6 inches	-86.59446419	34.73147585	Unnamed Ditch to Pinhook Creek
HG-Res-43	5/1/2008	Field Sample	HG-Res-43	0-6 inches	-86.59432281	34.73160216	Unnamed Ditch to Pinhook Creek
<b>Surface Soil</b>							
HG-Res2-00	8/27/2008	Field Sample	HG-Res-00	0-6 inches			Background
HG-Res2-01	8/27/2008	Field Sample	HG-Res-15	0-6 inches	-86.59350957	34.73198505	416 Dallas Avenue
HG-Res2-02	8/27/2008	Field Sample	HG-Res-20	0-6 inches	-86.59363329	34.73163446	422 Dallas Avenue
HG-Res2-03	8/27/2008	Field Sample	HG-Res-16	0-6 inches	-86.59312368	34.73189647	416 Dallas Avenue
HG-Res2-04	8/27/2008	Field Sample	HG-Res-21	0-6 inches	-86.59331948	34.73171964	420 Dallas Avenue
HG-Res2-05	8/27/2008	Field Sample	HG-Res-30	0-6 inches	-86.59433734	34.73144797	
HG-Res2-06	8/27/2008	Field Sample	HG-Res-39	0-6 inches	-86.5937437	34.73079679	
HG-Res2-07	8/27/2008	Field Sample	HG-Res-15	0-6 inches	-86.59350957	34.73198505	416 Dallas Avenue

**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-00	HG-Res-01	HG-Res-02	HG-Res-03	HG-Res-04	HG-Res-05	HG-Res-06
Location			HG-Res-00	HG-Res-01	HG-Res-02	HG-Res-03	HG-Res-04	HG-Res-05	HG-Res-06
Collection Date			5/1/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
SVOC (ug/kg)									
1,1-Biphenyl	3900000	NA	190 U	200 U	200 U	390 U	380 U	190 U	190 U
2,4-Dinitrotoluene	120000	NA	190 U	200 U	200 U	390 U	380 U	190 U	190 U
2-Methylnaphthalene	310000	NA	12 J	67 J	31	84	19	15	8.3
3-Nitroaniline	NA	NA	380 U	380 U	380 U	760 U	740 U	370 U	360 U
4-Chloroaniline	240000	NA	190 U	200 UJ	200 UJ	390 UJ	380 UJ	190 UJ	190 U
Acetophenone	7800000	NA	190 U	200 U	200 U	390 U	380 U	190 U	190 UJ
Atrazine	2100	NA	190 U	200 U	200 U	390 U	380 U	190 U	190 UJ
Carbazole	24000	NA	190 U	34 J	22 J	220 J	380 U	190 U	190 UJ
Dibenzofuran	NA	NA	190 U	200 U	200 U	81 J	380 U	190 U	190 U
n-Nitrosodiphenylamine	1500000	NA	190 U	200 U	200 U	390 U	380 U	190 U	190 UJ
Pentachlorophenol	3000	NA	38 UJ	77 UJ	380 U	16 U	15 U	370 U	360 UJ
PAH (ug/kg)									
Acenaphthene	3400000	10200000	19 J	32 J	3.8 U	52	7.4 U	3.7 U	3.6 U
Acenaphthylene	NA	NA	41 J	60 J	70	160	32	19	10
Anthracene	17000000	51000000	71 J	110 J	68	220 J	28	20	20
Benzo(a)anthracene	150	15000	140 J	380	450	970	88	66	37 J
Benzo(a)pyrene	15	1500	190	440	470	1400	150	210	39 J
Benzo(b)fluoranthene	150	15000	270	530	530	1500	210 J	270	44 J
Benzo(g,h,i)perylene	NA	NA	84	210	270	850	110	51	32 J
Benzo(k)fluoranthene	1500	150000	62 J	190 J	200	570	140 J	89	71 J
Chrysene	15000	1500000	150 J	240	420	1100	100	64	35 J
Dibenzo(a,h)anthracene	15	1500	19 U	38 UJ	3.8 U	7.6 U	7.4 U	3.7 U	3.6 UJ
Fluoranthene	2300000	6900000	280	600	540	2700	140	110	60 J
Fluorene	2300000	6900000	18 J	30 J	9.4	83	2.6 J	3.7 U	5.4
Indeno (1,2,3-cd) pyrene	150	15000	66	210	260	810	120	57	35 J
Naphthalene	150000	11700	11 J	43 J	21	90	12	11	5.5
Phenanthrene	NA	NA	150 J	330	100	1700	49	58	24
Pyrene	1700000	5100000	220	520	480	2100	120	78	46 J
BaP Equivalent	NA	1500	238.37	554.14	596.42	1734.8	193.3	250.254	51.345

**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-00	HG-Res-01	HG-Res-02	HG-Res-03	HG-Res-04	HG-Res-05	HG-Res-06
Location			HG-Res-00	HG-Res-01	HG-Res-02	HG-Res-03	HG-Res-04	HG-Res-05	HG-Res-06
Collection Date			5/1/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Metals, Total (mg/kg)									
Cyanide	1600	NA	0.5 UJ	0.41 UJ	0.52 UJ	1.4 UJ	0.56 UJ	1.1 UJ	1.3 UJ
Aluminum	77000	NA	6400 J	6400 J	6600 J	7300 J	6800 J	6900 J	7000 J
Arsenic	0.39	39	8.2	13	15	12	11	8.8	11
Barium	15000	NA	140	390	560	380	280	170	180
Beryllium	160	NA	0.54 J	0.86	0.93	1.1	1	0.84	0.94
Cadmium	70	NA	0.61 J	0.78	0.97	0.85	0.47 J	0.52 J	0.42 J
Calcium	NA	NA	6200 J	14000	17000	12000	6200	4100	17000
Chromium	NA	NA	38 J	26 J	29 J	41 J	30 J	56 J	35 J
Cobalt	NA	NA	7.2 J	9.8 J	11 J	11 J	12 J	12 J	11 J
Copper	3100	NA	18	46	73	35	18	13	15
Iron	55000	NA	21000 J	17000 J	22000 J	17000 J	16000 J	18000 J	16000 J
Lead	400	1200	180	400 J	510 J	360 J	160 J	140 J	130 J
Magnesium	NA	NA	790	490 J	430 J	450 J	360 J	400 J	1700
Manganese	1800	NA	840 J	1000 J	1600 J	1300 J	1500 J	1400 J	1400 J
Nickel	1600	NA	10	11	11	20	9.5	9.5	10
Potassium	NA	NA	330 J	530 J	500 J	650	390 J	600	550 J
Selenium	390	NA	3.8 UJ	3.9 U	4.1 U	4.5 U	4.1 U	4.1 U	4.1 U
Silver	390	NA	1.1 U	0.45 J	0.68 J	0.4 J	0.67 J	1.2 U	1.2 U
Sodium	NA	NA	540 U	560 U	590 U	640 U	580 U	580 U	580 U
Thallium	5.1	NA	2.7 U	2.8 U	2.9 U	3.2 U	2.9 U	2.9 U	2.9 U
Vanadium	550	NA	42	30	36	32	35	36	33
Zinc	23000	NA	210	500 J	800 J	340 J	140 J	120 J	92 J

**Notes:**

- Bold values - Analyte was detected above the SQL
- Bold and Shaded - Analyte was detected above the SQL and the concentration exceeds the RAL
- HG - Huntsville Gas
- J - The reported value is an estimate
- mg/kg - Milligrams per kilogram
- NA - Not applicable
- PAH - Polycyclic Aromatic Hydrocarbons
- QC - Quality Control
- R - The data was rejected and considered unusable due to severe QC problems
- RAL - Region IV Recommended Removal Action Level
- RES - Residential location
- RSL - Residential Region IV Regional Screening Levels provided for reference purposes only
- SQL - Sample quantitation limit
- SVOC - Semivolatile Organic Compounds
- U - Analyte was not detected above the SQL



**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-07	HG-Res-08	HG-Res-09	HG-Res-10	HG-Res-11	HG-Res-12	HG-Res-13
Location			HG-Res-07	HG-Res-08	HG-Res-09	HG-Res-10	HG-Res-11	HG-Res-12	HG-Res-13
Collection Date			4/29/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008	4/30/2008	4/30/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample
SVOC (ug/kg)									
1,1-Biphenyl	3900000	NA	200 U	200 U	390 U	390 U	390 U	1000 UJ	400 U
2,4-Dinitrotoluene	120000	NA	200 U	200 U	390 U	390 U	620	1000 U	400 U
2-Methylnaphthalene	310000	NA	8.2 J	22 J	200	66 J	110	180	52
3-Nitroaniline	NA	NA	390 U	390 U	750 U	760 U	210 J	2000 U	780 U
4-Chloroaniline	240000	NA	200 U	200 U	390 UJ	390 U	390 UJ	1000 UJ	400 U
Acetophenone	7800000	NA	200 U	200 U	390 U	390 U	390 U	1000 U	400 U
Atrazine	2100	NA	200 U	200 U	390 U	390 U	390 U	1000 U	400 U
Carbazole	24000	NA	200 U	200 U	110 J	40 J	390 U	190 J	55 J
Dibenzofuran	NA	NA	200 U	200 U	74 J	390 U	390 U	1000 UJ	400 U
n-Nitrosodiphenylamine	1500000	NA	200 U	200 U	390 U	390 U	390 U	1000 U	400 U
Pentachlorophenol	3000	NA	390 U	390 U	750 UJ	760 U	760 UJ	41 U	40 U
PAH (ug/kg)									
Acenaphthene	3400000	10200000	3.9 UJ	3.9 UJ	63	24 J	22	150	16
Acenaphthylene	NA	NA	4.4 J	16 J	130	76 J	93	690	75
Anthracene	17000000	51000000	4.9 J	22 J	310	150 J	150	860	81 J
Benzo(a)anthracene	150	15000	18	170 J	1000	290 J	310 J	1400 J	680
Benzo(a)pyrene	15	1500	12	110	1100	210 J	400	1700 J	780
Benzo(b)fluoranthene	150	15000	14	130 J	1600		540	2100 J	1100
Benzo(g,h,i)perylene	NA	NA	11	94	510	170 J	210 J	1500	140
Benzo(k)fluoranthene	1500	150000	12	130 J	470	340 J	210 J	1800 J	470
Chrysene	15000	1500000	28	95 J	670	350 J	370 J	1400 J	730
Dibenzo(a,h)anthracene	15	1500	3.9 U	3.9 U	7.5 UJ	7.6 UJ	7.6 UJ	20 U	20 U
Fluoranthene	2300000	6900000	31	160	2200	610	580	2300 J	1000 J
Fluorene	2300000	6900000	3.9 UJ	3.9 UJ	43	19 J	14	380	19
Indeno (1,2,3-cd) pyrene	150	15000	13	120	490	220 J	260 J	1100 J	530
Naphthalene	150000	11700	5.7 J	12 J	140	43 J	57	130	36
Phenanthrene	NA	NA	15 J	180 J	920	310 J	330	1300	440
Pyrene	1700000	5100000	34	140	1400 J	550	590	2000 J	980
BaP Equivalent	NA	1500	16.648	153.395	1414.37	264.75	513.47	2179.4	1016.43

**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-07	HG-Res-08	HG-Res-09	HG-Res-10	HG-Res-11	HG-Res-12	HG-Res-13
Location			HG-Res-07	HG-Res-08	HG-Res-09	HG-Res-10	HG-Res-10	HG-Res-12	HG-Res-13
Collection Date			4/29/2008	4/29/2008	4/29/2008	4/29/2008	4/29/2008	4/30/2008	4/30/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample
Metals, Total (mg/kg)									
Cyanide	1600	NA	1.2 UJ	2.3 UJ	0.9 UJ	1.2 UJ	1.4 UJ	3.9	1.3 UJ
Aluminum	77000	NA	8900 J	7100 J	6800 J	8300 J	7600 J	6700 J	7900 J
Arsenic	0.39	39	6.2	11	10	14	9.3	13	15
Barium	15000	NA	120	280	180	520	250	310	920
Beryllium	160	NA	0.63	1.1	0.87	1.1	0.87	0.88	1.5
Cadmium	70	NA	0.56 U	0.75	1.5	2.6	1.9	1.4 J	3.4 J
Calcium	NA	NA	2200	21000	15000	10000	9600	27000 J	6600 J
Chromium	NA	NA	24 J	33 J	30 J	43 J	31 J	34 J	42 J
Cobalt	NA	NA	8.9 J	13 J	8.3 J	22 J	11 J	10 J	49 J
Copper	3100	NA	8.2	27	34	51	57	44	39
Iron	55000	NA	15000 J	16000 J	21000 J	23000 J	18000 J	20000 J	28000 J
Lead	400	1200	36 J	240 J	460 J	1100 J	1900 J	250	260
Magnesium	NA	NA	380 J	1800	640 J	500 J	460 J	510 J	480 J
Manganese	1800	NA	870 J	1500 J	680 J	3800 J	1100 J	1100 J	5400 J
Nickel	1600	NA	7.2	12	11	13	11	12	23
Potassium	NA	NA	400 J	500 J	530 J	530 J	590	510 J	690
Selenium	390	NA	4 U	4.1 U	4 U	3.2 J	4.1 U	4.2 UJ	6.2 J
Silver	390	NA	1.1 U	0.26 J	1.1 U	0.79 J	0.33 J	0.4 J	0.93 J
Sodium	NA	NA	570 U	590 U	570 U	580 U	580 U	600 U	580 U
Thallium	5.1	NA	2.8 U	1 J	2.9 U	3.6	2.9 U	3 U	8.1
Vanadium	550	NA	31	32	34	47	32	42	53
Zinc	23000	NA	42 J	270 J	510 J	700 J	450 J	350	360

**Notes:**

- Bold values - Analyte was detected above the SQL
- Bold and Shaded - Analyte was detected above the SQL and the concentration exceeds the RAL
- HG - Huntsville Gas
- J - The reported value is an estimate
- mg/kg - Milligrams per kilogram
- NA - Not applicable
- PAH - Polycyclic Aromatic Hydrocarbons
- QC - Quality Control
- R - The data was rejected and considered unusable due to severe QC problems
- RAL - Region IV Recommended Removal Action Level
- RES - Residential location
- RSL - Residential Region IV Regional Screening Levels provided for reference purposes only
- SQL - Sample quantitation limit
- SVOC - Semivolatile Organic Compounds
- U - Analyte was not detected above the SQL

**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-14	HG-Res-15	HG-Res-16	HG-Res-17	HG-Res-18	HG-Res-19	HG-Res-20
Location			HG-Res-14	HG-Res-15	HG-Res-16	HG-Res-17	HG-Res-18	HG-Res-19	HG-Res-20
Collection Date			4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
SVOC (ug/kg)									
1,1-Biphenyl	3900000	NA	380 U	9300 U	940 U	110 J	700 J	4800 U	4800 U
2,4-Dinitrotoluene	120000	NA	380 U	9300 U	940 U	960 U	4800 U	4800 U	4800 U
2-Methylnaphthalene	310000	NA	57	250	68	200	1100	100	110
3-Nitroaniline	NA	NA	740 U	18000 U	1800 U	1900 U	9400 U	9300 U	9300 U
4-Chloroaniline	240000	NA	380 U	9300 UJ	940 UJ	960 UJ	4800 U	4800 UJ	4800 U
Acetophenone	7800000	NA	380 U	9300 U	940 U	960 U	4800 U	4800 U	4800 U
Atrazine	2100	NA	380 U	9300 U	940 U	960 U	4800 U	4800 U	910 J
Carbazole	24000	NA	120 J	3800 J	410 J	500 J	3400 J	1100 J	1100 J
Dibenzofuran	NA	NA	65 J	1400 J	200 J	470 J	2700 J	4800 U	4800 U
n-Nitrosodiphenylamine	1500000	NA	380 U	9300 U	940 U	960 U	4800 U	4800 U	4800 U
Pentachlorophenol	3000	NA	38 U	73 U	37 U	38 U	38 UJ	38 U	38 U
PAH (ug/kg)									
Acenaphthene	3400000	10200000	15 J	36 U	66	130	450	100	19 U
Acenaphthylene	NA	NA	110	1900	760 J	780	3400	1900 J	4500 J
Anthracene	17000000	51000000	100 J	6900	1300	1700	8300	1700	2700
Benzo(a)anthracene	150	15000	1300	69000	8200	4600	25000	25000	33000
Benzo(a)pyrene	15	1500	1300	55000	8600	4300	22000	22000	34000
Benzo(b)fluoranthene	150	15000	1800	110000	14000	5600	47000	40000	52000
Benzo(g,h,i)perylene	NA	NA	130	21000	3700	2300	18000	16000	21000
Benzo(k)fluoranthene	1500	150000	680	45000	4800	2400	16000	14000	21000
Chrysene	15000	1500000	1300	68000	8000	4300	27000	24000	32000
Dibenzo(a,h)anthracene	15	1500	18 U	36 U	18 U	19 U	19 U	19 U	19 U
Fluoranthene	2300000	6900000	2300 J	150000 J	21000	12000 J	64000 J	39000 J	56000 J
Fluorene	2300000	6900000	29	1100	140	490	1400	660	370
Indeno (1,2,3-cd) pyrene	150	15000	810	53000	6500	2700	22000	19000	25000
Naphthalene	150000	11700	49	580	100	620	6300	250	200
Phenanthrene	NA	NA	1000	51000	6000	7500	37000	14000	12000
Pyrene	1700000	5100000	2000	130000	15000	11000	48000	40000 J	48000
BaP Equivalent	NA	1500	1699.1	78718	11526	5618.3	31587	30564	45242

**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-14	HG-Res-15	HG-Res-16	HG-Res-17	HG-Res-18	HG-Res-19	HG-Res-20
Location			HG-Res-14	HG-Res-15	HG-Res-16	HG-Res-17	HG-Res-18	HG-Res-19	HG-Res-20
Collection Date			4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Metals, Total (mg/kg)									
Cyanide	1600	NA	0.68 UJ	17	5.3	0.5 UJ	18	14	2.6 UJ
Aluminum	77000	NA	8000 J	5300 J	7100 J	7300 J	6100 J	6500 J	7600 J
Arsenic	0.39	39	15	31	13	8.8	26	41	16
Barium	15000	NA	280	220	190	230	270	200	93
Beryllium	160	NA	1.2	0.5 J	0.84	0.64	0.75	0.65	0.36 J
Cadmium	70	NA	0.93 J	0.74 J	0.65 J	2 J	1.1 J	0.89 J	0.54 J
Calcium	NA	NA	7800 J	8100 J	5300 J	7300 J	12000 J	28000 J	33000 J
Chromium	NA	NA	40 J	41 J	50 J	32 J	47 J	45 J	53 J
Cobalt	NA	NA	12 J	9.3 J	9.3 J	21 J	9.6 J	11 J	7.8 J
Copper	3100	NA	43	55	39	11	45	120	30
Iron	55000	NA	21000 J	46000 J	27000 J	20000 J	42000 J	80000 J	30000 J
Lead	400	1200	240	230	160	85	350	270	120
Magnesium	NA	NA	400 J	500 J	480 J	1000	510 J	1100	7600
Manganese	1800	NA	1100 J	740 J	840 J	2600 J	1200 J	780 J	570 J
Nickel	1600	NA	19	13	12	11	11	19	11
Potassium	NA	NA	600	710	620	460 J	570	640	400 J
Selenium	390	NA	4.1 UJ	4 UJ	3.8 UJ	1.8 J	4 UJ	3.9 UJ	4.1 UJ
Silver	390	NA	0.34 J	1.1 U	1.1 U	1.1 U	0.4 J	1.1 U	1.2 U
Sodium	NA	NA	590 U	570 U	550 U	540 U	570 U	560 U	590 U
Thallium	5.1	NA	3 U	2.8 U	2.7 U	1.9 J	2.8 U	2.8 U	2.9 U
Vanadium	550	NA	40	51	43	41	49	60	47
Zinc	23000	NA	310	92	150	91	300	130	79

**Notes:**

- Bold values - Analyte was detected above the SQL
- Bold and Shaded - Analyte was detected above the SQL and the concentration exceeds the RAL
- HG - Huntsville Gas
- J - The reported value is an estimate
- mg/kg - Milligrams per kilogram
- NA - Not applicable
- PAH - Polycyclic Aromatic Hydrocarbons
- QC - Quality Control
- R - The data was rejected and considered unusable due to severe QC problems
- RAL - Region IV Recommended Removal Action Level
- RES - Residential location
- RSL - Residential Region IV Regional Screening Levels provided for reference purposes only
- SQL - Sample quantitation limit
- SVOC - Semivolatile Organic Compounds
- U - Analyte was not detected above the SQL

**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-21	HG-Res-22	HG-Res-23	HG-Res-24	HG-Res-25	HG-Res-26	HG-Res-27
Location			HG-Res-21	HG-Res-22	HG-Res-22	HG-Res-24	HG-Res-25	HG-Res-26	HG-Res-27
Collection Date			4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample	Field Sample	Field Sample
SVOC (ug/kg)									
1,1-Biphenyl	3900000	NA	950 U	370 U	380 U	100 J	910 U	950 U	380 U
2,4-Dinitrotoluene	120000	NA	950 U	370 U	380 U	920 U	910 U	950 U	380 U
2-Methylnaphthalene	310000	NA	20	18 J	16 J	300	110	50	42
3-Nitroaniline	NA	NA	1800 U	720 U	730 U	1800 U	1800 U	1800 U	730 U
4-Chloroaniline	240000	NA	950 U	370 UJ	380 U	920 UJ	910 UJ	950 U	380 UJ
Acetophenone	7800000	NA	950 U	370 U	380 U	920 U	910 U	950 U	380 U
Atrazine	2100	NA	950 U	370 U	380 U	920 U	910 U	950 U	380 U
Carbazole	24000	NA	120 J	100 J	70 J	360 J	530 J	150 J	75 J
Dibenzofuran	NA	NA	950 U	370 U	380 U	260 J	300 J	950 U	380 U
n-Nitrosodiphenylamine	1500000	NA	950 U	370 U	380 U	920 U	910 U	950 U	380 U
Pentachlorophenol	3000	NA	37 U	37 UJ	37 U	36 U	36 U	38 U	37 U
PAH (ug/kg)									
Acenaphthene	3400000	10200000	31	15 J	18 U	170	200	18 U	18 U
Acenaphthylene	NA	NA	210	120	90	630	430	140 J	170
Anthracene	17000000	51000000	460	150	100	1600	1400	220	160
Benzo(a)anthracene	150	15000	2100 J	1300	970	6300	9200	1600	1400
Benzo(a)pyrene	15	1500	2200	1400	1000	6100	7900	1800	1300
Benzo(b)fluoranthene	150	15000	3800	2100	1700	8600	14000	2600	2600
Benzo(g,h,i)perylene	NA	NA	1700	1100	800	2800	5800	1400	1200
Benzo(k)fluoranthene	1500	150000	1300	800	610	11000	5400	940	940
Chrysene	15000	1500000	2100 J	1300	1000	6200	8900	1700	1500
Dibenzo(a,h)anthracene	15	1500	190	18 U	18 U	18 U	18 U	18 U	18 U
Fluoranthene	2300000	6900000	3000 J	2500 J	1300	12000 J	17000	2900 J	2300 J
Fluorene	2300000	6900000	58	48	31	550	340	62	34
Indeno (1,2,3-cd) pyrene	150	15000	1700	1000	840	3300	5900	1300	1200
Naphthalene	150000	11700	37	30	21	560	120	57	39
Phenanthrene	NA	NA	1100	970	630	7400	6400	1300	760
Pyrene	1700000	5100000	4300 J	2500	1700	13000	18000	2600	2500
BaP Equivalent	NA	1500	3165.1	1849.3	1358.1	8036.2	10872.9	2361.1	1830.9

**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-21	HG-Res-22	HG-Res-23	HG-Res-24	HG-Res-25	HG-Res-26	HG-Res-27
Location			HG-Res-21	HG-Res-22	HG-Res-22	HG-Res-24	HG-Res-25	HG-Res-26	HG-Res-27
Collection Date			4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008	4/30/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample	Field Sample	Field Sample
Metals, Total (mg/kg)									
Cyanide	1600	NA	2.8 U	2.1 UJ	0.57 UJ	2.8 U	1.6 UJ	1.4 UJ	1.4 UJ
Aluminum	77000	NA	8200 J	7600 J	7300 J	6000 J	7000 J	6900 J	5800 J
Arsenic	0.39	39	11 J	11	9.8	13	9.9	12	7.6
Barium	15000	NA	160	120	110	84	130	200	130
Beryllium	160	NA	0.85	0.7	0.62	0.45 J	0.66	0.91	0.58
Cadmium	70	NA	0.61	0.59 J	0.51 J	0.58 J	0.59 J	0.88 J	0.72 J
Calcium	NA	NA	7100	17000 J	6100 J	33000 J	9200 J	7700 J	46000 J
Chromium	NA	NA	44 J	43 J	41 J	30 J	54 J	44 J	41 J
Cobalt	NA	NA	12 J	10 J	7.5 J	9.8 J	8.8 J	9.9 J	9.3 J
Copper	3100	NA	18	19	17	12	19	25	34
Iron	55000	NA	28000 J	26000 J	23000 J	15000 J	21000 J	20000 J	17000 J
Lead	400	1200	89	140	120	65	140	220	240
Magnesium	NA	NA	500 J	610	470 J	3200	530 J	400 J	780
Manganese	1800	NA	1400 J	1000 J	790 J	1000 J	1000 J	1500 J	1200 J
Nickel	1600	NA	11	10	8.6	10	10	11	16
Potassium	NA	NA	510 J	460 J	450 J	440 J	490 J	500 J	300 J
Selenium	390	NA	3.9 U	3.8 UJ	4.3 UJ	3.7 UJ	4 UJ	4.1 UJ	3.9 UJ
Silver	390	NA	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U
Sodium	NA	NA	560 U	550 U	620 U	540 U	580 U	590 U	560 U
Thallium	5.1	NA	2.8 U	2.7 U	3.1 U	2.7 U	2.9 U	2.9 U	2.8 U
Vanadium	550	NA	48	47	43	30	43	41	31
Zinc	23000	NA	120	140	120	110	130	940	130

**Notes:**

- Bold values - Analyte was detected above the SQL
- Bold and Shaded - Analyte was detected above the SQL and the concentration exceeds the RAL
- HG - Huntsville Gas
- J - The reported value is an estimate
- mg/kg - Milligrams per kilogram
- NA - Not applicable
- PAH - Polycyclic Aromatic Hydrocarbons
- QC - Quality Control
- R - The data was rejected and considered unusable due to severe QC problems
- RAL - Region IV Recommended Removal Action Level
- RES - Residential location
- RSL - Residential Region IV Regional Screening Levels provided for reference purposes only
- SQL - Sample quantitation limit
- SVOC - Semivolatile Organic Compounds
- U - Analyte was not detected above the SQL

**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-28	HG-Res-29	HG-Res-30	HG-Res-31	HG-Res-32	HG-Res-33	HG-Res-34
Location			HG-Res-28	HG-Res-29	HG-Res-30	HG-Res-31	HG-Res-32	HG-Res-33	HG-Res-34
Collection Date			4/30/2008	4/30/2008	5/1/2008	5/1/2008	5/1/2008	5/1/2008	5/1/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
SVOC (ug/kg)									
1,1-Biphenyl	3900000	NA	5000 U	940 U	5100 U	150 J	970 U	990 U	400 U
2,4-Dinitrotoluene	120000	NA	5000 U	1300	5100 U	910 U	970 U	990 U	400 U
2-Methylnaphthalene	310000	NA	95	100	920	540	100	33 J	21 J
3-Nitroaniline	NA	NA	9700 U	1800 U	9800 U	1800 U	1900 U	310 J	770 U
4-Chloroaniline	240000	NA	530 J	940 UJ	5100 UJ	910 UJ	970 UJ	990 UJ	400 U
Acetophenone	7800000	NA	620 J	940 U	5100 U	910 U	970 U	990 U	400 U
Atrazine	2100	NA	5000 U	940 U	5100 U	910 U	970 U	990 U	400 U
Carbazole	24000	NA	1200 J	440 J	5700	1500 J	780 J	110 J	76 J
Dibenzofuran	NA	NA	5000 U	190 J	4100 J	1300	320 J	990 U	46 J
n-Nitrosodiphenylamine	1500000	NA	5000 U	130 J	5100 U	910 U	970 U	990 U	400 U
Pentachlorophenol	3000	NA	39 U	20 J	40 U	36 UJ	38 UJ	39 UJ	39 UJ
PAH (ug/kg)									
Acenaphthene	3400000	10200000	19 U	100	810	480 J	370	37 J	80 J
Acenaphthylene	NA	NA	890	1000	9100	4800	1300	97 J	74 J
Anthracene	17000000	51000000	1100	1200	14000	7000	2700	220 J	120 J
Benzo(a)anthracene	150	15000	23000	9400	39000	28000	10000	1500	450
Benzo(a)pyrene	15	1500	6600	9100	39000	29000	11000	1800	420
Benzo(b)fluoranthene	150	15000	64000	13000	49000	35000	14000	2200	550
Benzo(g,h,i)perylene	NA	NA	18000	5600	20000	14000	6300	1200	190
Benzo(k)fluoranthene	1500	150000	26000	3900	17000	12000	6000	1000	170
Chrysene	15000	1500000	35000	7700	36000	25000	10000	1500	430
Dibenzo(a,h)anthracene	15	1500	190 U	18 U	20 U	88 U	94 U	19 U	19 U
Fluoranthene	2300000	6900000	17000 J	14000 J	88000	55000	25000	2000	920
Fluorene	2300000	6900000	190 U	330	6400	1900	520	49 J	53 J
Indeno (1,2,3-cd) pyrene	150	15000	26000	6000	23000	2300	6400	1200	160
Naphthalene	150000	11700	160	180	1600	1100	230	42 J	27 J
Phenanthrene	NA	NA	4900 J	5400	65000	30000	13000	500 J	720
Pyrene	1700000	5100000	17000	14000	81000	59000	24000	2700	990
BaP Equivalent	NA	1500	18195	11986.7	50306	35675	14110	2301.5	538.13

**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-28	HG-Res-29	HG-Res-30	HG-Res-31	HG-Res-32	HG-Res-33	HG-Res-34
Location			HG-Res-28	HG-Res-29	HG-Res-30	HG-Res-31	HG-Res-32	HG-Res-33	HG-Res-34
Collection Date			4/30/2008	4/30/2008	5/1/2008	5/1/2008	5/1/2008	5/1/2008	5/1/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Metals, Total (mg/kg)									
Cyanide	1600	NA	16	2.5 UJ	1.2 UJ	2.2 UJ	2.7 UJ	0.71 UJ	0.69 UJ
Aluminum	77000	NA	5100 J	6800 J	5300 J	6200 J	7500 J	8400 J	8300 J
Arsenic	0.39	39	17	12	16	9.2 J	9.9 J	19 J	9.8 J
Barium	15000	NA	140	120	95	100	180	250	160
Beryllium	160	NA	0.48 J	0.83	0.6 J	0.57	0.65	0.93	0.64
Cadmium	70	NA	0.63 J	0.76 J	0.72 J	0.52 J	1.5	1.9	0.71
Calcium	NA	NA	40000 J	9600 J	11000 J	39000	21000	6700	38000
Chromium	NA	NA	27 J	31 J	28 J	67 J	29 J	56 J	47 J
Cobalt	NA	NA	7.4 J	12 J	8.2 J	8.4 J	9.8 J	21 J	12 J
Copper	3100	NA	24	29	32	21	31	20	19
Iron	55000	NA	17000 J	18000 J	19000 J	16000 J	18000 J	46000 J	23000 J
Lead	400	1200	150	88	83	78	150	98	110
Magnesium	NA	NA	1300	700	1200	4400	800	550 J	1800
Manganese	1800	NA	1200 J	1300 J	700 J	790 J	1200 J	3100 J	1300 J
Nickel	1600	NA	8	16	11	24	10	12	10
Potassium	NA	NA	320 J	410 J	610	490 J	460 J	890	570 J
Selenium	390	NA	4.2 UJ	3.9 UJ	4 UJ	3.7 U	4 U	1.8 J	4.2 U
Silver	390	NA	1.2 U	1.1 U	1.1 U	1.1 U	0.25 J	0.46 J	1.2 U
Sodium	NA	NA	600 U	560 U	570 U	530 U	570 U	580 U	610 U
Thallium	5.1	NA	3 U	2.8 U	2.8 U	2.6 U	2.8 U	2.3 J	3 U
Vanadium	550	NA	29	34	33	33	33	60	50
Zinc	23000	NA	82	140	120	110	150	640	160

**Notes:**

- Bold values - Analyte was detected above the SQL
- Bold and Shaded - Analyte was detected above the SQL and the concentration exceeds the RAL
- HG - Huntsville Gas
- J - The reported value is an estimate
- mg/kg - Milligrams per kilogram
- NA - Not applicable
- PAH - Polycyclic Aromatic Hydrocarbons
- QC - Quality Control
- R - The data was rejected and considered unusable due to severe QC problems
- RAL - Region IV Recommended Removal Action Level
- RES - Residential location
- RSL - Residential Region IV Regional Screening Levels provided for reference purposes only
- SQL - Sample quantitation limit
- SVOC - Semivolatile Organic Compounds
- U - Analyte was not detected above the SQL



**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-35	HG-Res-36	HG-Res-37	HG-Res-40	HG-Res-38	HG-Res-39
Location			HG-Res-35	HG-Res-36	HG-Res-37	HG-Res-37	HG-Res-38	HG-Res-39
Collection Date			5/1/2008	5/1/2008	5/1/2008	5/1/2008	5/1/2008	5/1/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample
SVOC (ug/kg)								
1,1-Biphenyl	3900000	NA	390 U	930 U	980 U	960 U	940 U	390 UJ
2,4-Dinitrotoluene	120000	NA	390 U	930 U	980 U	960 U	1300	390 U
2-Methylnaphthalene	310000	NA	3.7 J	140 J	130	74	26 J	9.4 J
3-Nitroaniline	NA	NA	750 U	1800 U	1900 U	1900 U	1800 U	760 U
4-Chloroaniline	240000	NA	390 U	930 UJ	980 UJ	960 U	940 UJ	390 U
Acetophenone	7800000	NA	390 U	930 U	980 U	960 U	940 U	390 U
Atrazine	2100	NA	390 U	930 U	980 U	960 U	940 U	390 U
Carbazole	24000	NA	390 U	420 J	640 J	540 J	100 J	390 UJ
Dibenzofuran	NA	NA	390 U	440 J	280 J	160 J	940 UJ	390 UJ
n-Nitrosodiphenylamine	1500000	NA	390 U	930 U	980 U	960 U	940 U	390 U
Pentachlorophenol	3000	NA	38 UJ	37 UJ	39 UJ	38 U	37 UJ	39 UJ
PAH (ug/kg)								
Acenaphthene	3400000	10200000	19 UJ	210 J	260	130	72 J	19 UJ
Acenaphthylene	NA	NA	87 J	1700	1100	610	130 J	21 J
Anthracene	17000000	51000000	40 J	2900	1800	1100	140 J	13 J
Benzo(a)anthracene	150	15000	130	12000	10000	5900	1000	51
Benzo(a)pyrene	15	1500	130	7000	8200	7300	1100 J	49
Benzo(b)fluoranthene	150	15000	150	14000	19000	8400	1400 J	74
Benzo(g,h,i)perylene	NA	NA	100	5600	7400	3200	330	64
Benzo(k)fluoranthene	1500	150000	97	5500	6200	3400	300	43
Chrysene	15000	1500000	150	9700	9700	5300	1100	61
Dibenzo(a,h)anthracene	15	1500	19 U	620	880	610	18 U	19 U
Fluoranthene	2300000	6900000	410 J	32000	24000	9800	1700 J	140
Fluorene	2300000	6900000	17 J	850 J	780	410	57 J	5 J
Indeno (1,2,3-cd) pyrene	150	15000	100	5800	6700	3700	350	65
Naphthalene	150000	11700	5.1 J	260 J	180	110	55 J	11 J
Phenanthrene	NA	NA	160 J	11000	8000	4500	1000	84 J
Pyrene	1700000	5100000	540 J	34000	34000	14000	1900	87
BaP Equivalent	NA	1500	169.12	10864.7	12721.7	9749.3	1379.1	68.491

**TABLE 2**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-Res-35	HG-Res-36	HG-Res-37	HG-Res-40	HG-Res-38	HG-Res-39
Location			HG-Res-35	HG-Res-36	HG-Res-37	HG-Res-37	HG-Res-38	HG-Res-39
Collection Date			5/1/2008	5/1/2008	5/1/2008	5/1/2008	5/1/2008	5/1/2008
Matrix			Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Sample Type			Field Sample	Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample
Metals, Total (mg/kg)								
Cyanide	1600	NA	0.47 UJ	1.1 UJ	0.79 UJ	3 U	0.6 UJ	0.48 UJ
Aluminum	77000	NA	8100 J	7700 J	8900 J	8100 J	8300 J	8900 J
Arsenic	0.39	39	8.2 J	7.9 J	21 J	16 J	9.5 J	9.4 J
Barium	15000	NA	92	71	230	160	120	130
Beryllium	160	NA	0.61	0.39 J	1.3	1	0.66	0.76
Cadmium	70	NA	0.45 J	0.34 J	0.85	0.67	0.52 J	0.4 J
Calcium	NA	NA	18000	6400	5000	3900	6200	4100
Chromium	NA	NA	48 J	34 J	34 J	44 J	42 J	31 J
Cobalt	NA	NA	9.8 J	6 J	17 J	10 J	8.3 J	10 J
Copper	3100	NA	11	11	28	25	17	14
Iron	55000	NA	21000 J	19000 J	27000 J	20000 J	21000 J	17000 J
Lead	400	1200	72	46	130	100	88	82
Magnesium	NA	NA	610	390 J	410 J	400 J	430 J	490 J
Manganese	1800	NA	1200 J	570 J	2000 J	1400 J	1100 J	1300 J
Nickel	1600	NA	9.1	8	14	13	9	9.1
Potassium	NA	NA	460 J	480 J	640	610	530 J	400 J
Selenium	390	NA	3.8 U	4.2 U	1.5 U	4.2 U	3.9 U	3.9 U
Silver	390	NA	1.1 U	1.2 U	0.26 J	1.2 U	1.1 U	1.1 U
Sodium	NA	NA	550 U	590 U	600 U	600 U	560 U	560 U
Thallium	5.1	NA	2.7 U	3 U	1.2 J	3 U	2.8 U	2.8 U
Vanadium	550	NA	45	40	42	41	44	35
Zinc	23000	NA	91	60	220	160	120	95

**Notes:**

Bold values - Analyte was detected above the SQL

Bold and Shaded - Analyte was detected above the SQL and the concentration exceeds the RAL

HG - Huntsville Gas

J - The reported value is an estimate

mg/kg - Milligrams per kilogram

NA - Not applicable

PAH - Polycyclic Aromatic Hydrocarbons

QC - Quality Control

R - The data was rejected and considered unusable due to severe QC problems

RAL - Region IV Recommended Removal Action Level

RES - Residential location

RSL - Residential Region IV Regional Screening Levels provided for reference purposes only

SQL - Sample quantitation limit

SVOC - Semivolatile Organic Compounds

U - Analyte was not detected above the SQL

**TABLE 3**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SOIL SEDIMENT SAMPLES**

Sample ID	RSL	RAL	HG-Res-41	HG-Res-42	HG-Res-43
Location			HG-Res-41	HG-Res-42	HG-Res-43
Collection Date			5/1/2008	5/1/2008	5/1/2008
Matrix			Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Type			Field Sample	Field Sample	Field Sample
SVOC (ug/kg)					
2-Methylnaphthalene	310000	930000	840	270	1000 J
Carbazole	24000	NA	3400 J	750 J	6400 J
Dibenzofuran	NA	NA	2000 J	4500 U	3800 J
PAH (ug/kg)					
Acenaphthene	3400000	10000000	970	110	1800 J
Acenaphthylene	NA	NA	4000 J	880	9100 J
Anthracene	17000000	51000000	9000 J	1700 J	28000
Benzo(a)anthracene	150	1500	46000 J	11000	180000
Benzo(a)pyrene	15	1500	49000	10000	170000
Benzo(b)fluoranthene	150	15000	64000	12000	210000
Benzo(g,h,i)perylene	NA	NA	25000	5200	90000
Benzo(k)fluoranthene	1500	150000	25000	4900	95000
Chrysene	15000	150000	42000 J	9800	150000
Dibenzo(a,h)anthracene	15	1500	1600	700	8600 J
Fluoranthene	2300000	6900000	85000 J	19000	190000
Fluorene	2300000	6900000	2200 J	560	6500 J
Indeno (1,2,3-cd) pyrene	150	15000	28000	5900	91000
Naphthalene	150000	12000	1800	450	1500 J
Phenanthrene	NA	NA	40000 J	8000	84000
Pyrene	1700000	5100000	110000 J	18000	190000
BaP Equivalent	NA	1500	64692	13648.8	227800
Metals, Total (mg/kg)					
Cyanide	1600	NA	3.2	2.2 UJ	2.5 UJ
Aluminum	77000	NA	8200 J	6600 J	8200 J
Arsenic	0.39	39	38 J	19 J	44 J
Barium	15000	NA	220	140	160
Beryllium	1400	NA	1.3	0.87	0.88
Cadmium	70	NA	0.82	0.5 J	1.2
Calcium	NA	NA	21000	21000	6700
Chromium	NA	NA	24 J	23 J	24
Cobalt	NA	NA	9.8 J	7.8 J	10 J
Copper	3100	NA	45	45	38
Iron	55000	NA	19000 J	18000 J	25000 J
Lead	400	1200	140	84	170
Magnesium	NA	NA	760	880	480 J
Manganese	1800	NA	750 J	430 J	820 J
Nickel	1600	NA	17	16	14
Potassium	NA	NA	570	400 J	430 J
Sodium	NA	NA	230 J	550 U	550 U
Vanadium	550	NA	37	28	45
Zinc	23000	NA	180	120	430

**Notes:**

- Bold values - Analyte was detected above the SQL
- Bold and Shaded - Analyte was detected above the SQL and the concentration exceeds the RAL
- HG - Huntsville Gas
- J - The reported value is an estimate
- mg/kg - Milligrams per kilogram
- NA - Not available
- PAH - Polycyclic Aromatic Hydrocarbons
- RAL - Region IV Recommended Removal Action limit
- RES - Residential location
- RSL - Region IV Regional Screening Levels
- SQL - Sample quantitation limit
- SVOC - Semivolatile Organic Compounds
- U - Analyte was not detected above the SQL
- ug/kg - Micrograms per kilogram

**TABLE 4**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-RES2-00	HG-RES2-01	HG-RES2-02	HG-RES2-03	HG-RES2-04	HG-RES2-05
Location			HG-00	HG-15	HG-20	HG-16	HG-21	HG-30
Collection Date			8/28/2008	8/28/2008	8/28/2008	8/28/2008	8/28/2008	8/28/2008
Matrix			Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
Sample Type			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
<b>Wet Chemistry (%)</b>								
Percent Moisture	NA	NA	19.5	13.4	37.4	20	18.7	19.4
<b>PAH (ug/kg)</b>								
1-Methylnaphthalene	22000	66000	110 U	98 U	140 U	240	100 U	380
2-Methylnaphthalene	310000	930000	110 U	98 U	140 U	420	100 U	570
Acenaphthene	3400000	10000000	110 U	98 U	140 U	220	100 U	340
Acenaphthylene	NA	NA	200 U	890	370	3900	200 U	3700
Anthracene	17000000	51000000	35	770	280	5600	84	4800
Benzo(a)anthracene	150	15000	200	3200	2100	36000	700	19000
Benzo(a)pyrene	15	1500	200	3300	2000	29000	650	18000
Benzo(b)fluoranthene	150	15000	300	5200	2400	49000	1100	21000
Benzo(g,h,i)perylene	NA	NA	170	4000	2100	49000	630	15000
Benzo(k)fluoranthene	1500	150000	83	2000	990	14000	260	7400
Chrysene	15000	1500000	180	3200	1700	26000	570	15000
Dibenzo(a,h)anthracene	15	1500	62	1000	450	4100	170	2500
Fluoranthene	2300000	6900000	410	7400	2700	65000	1200	37000
Fluorene	2300000	6900000	20 U	120	59	590	20 U	1500
Indeno (1,2,3-cd) pyrene	150	15000	140	2800	1600	19000	500	11000
Naphthalene	150000	12000	110 U	120	140 U	1000	100 U	1300
Phenanthrene	NA	NA	200	2500	950	25000	320	19000
Pyrene	1700000	5100000	360	6400	2500	54000	1100	32000
BaP Equivalent	NA	1500	327.01	5443.2	3071.6	43666	1053.17	25689

**Notes:**

- Bold values - Analyte was detected above the SQL
- Bold and Shaded - Analyte was detected above the SQL and the concentration exceeds the RAL
- HG - Huntsville Gas
- PAH - Polycyclic Aromatic Hydrocarbons
- RAL - Region IV Recommended Removal Action Limit
- RES2 - Residential location
- RSL - Region IV Regional Screening Levels
- SQL - Sample quantitation limit
- U - Analyte was not detected above the SQL
- ug/kg - Micrograms per kilogram

**TABLE 4**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR SURFACE SOIL SAMPLES**

Sample ID	RSL	RAL	HG-RES2-06	HG-RES2-07
Location			HG-39	Duplicate
Collection Date			8/28/2008	8/28/2008
Matrix			Surface Soil	Surface Soil
Sample Type			Field Sample	Field Duplicate
Wet Chemistry (%)				
Percent Moisture	NA	NA	27.9	19
PAH (ug/kg)				
1-Methylnaphthalene	22000	66000	120 U	100 U
2-Methylnaphthalene	310000	930000	120 U	100 U
Acenaphthene	3400000	10000000	120 U	100 U
Acenaphthylene	NA	NA	230 U	710
Anthracene	17000000	51000000	21	560
Benzo(a)anthracene	150	15000	140	2800
Benzo(a)pyrene	15	1500	150	2700
Benzo(b)fluoranthene	150	15000	200	4300
Benzo(g,h,i)perylene	NA	NA	150	3200
Benzo(k)fluoranthene	1500	150000	72	1500
Chrysene	15000	1500000	100	2600
Dibenzo(a,h)anthracene	15	1500	72	800
Fluoranthene	2300000	6900000	220	5500
Fluorene	2300000	6900000	23 U	88
Indeno (1,2,3-cd) pyrene	150	15000	130	2400
Naphthalene	150000	12000	120 U	120
Phenanthrene	NA	NA	110	1800
Pyrene	1700000	5100000	180	4900
BaP Equivalent	NA	1500	269.82	4467.6

**Notes:**

Bold values - Analyte was detected above the SQL

Bold and Shaded - Analyte was detected above the SQL and the concentration exceeds the RAL

HG - Huntsville Gas

PAH - Polycyclic Aromatic Hydrocarbons

RAL - Region IV Recommended Removal Action Limit

RES2 - Residential location

RSL - Region IV Regional Screening Levels

SQL - Sample quantitation limit

U - Analyte was not detected above the SQL

ug/kg - Micrograms per kilogram

**TABLE 5**  
**HUNTSVILLE GAS**  
**SUMMARY OF ANALYTICAL RESULTS FOR INVESTIGATION-DERIVED WASTE SAMPLE**

<b>Sample ID</b>	HG-DS-01
<b>Location</b>	N/A
<b>Collection Date</b>	5/1/2008
<b>Matrix</b>	Waste
<b>Sample Type</b>	Disposal Sample
<b>SVOC (ug/kg)</b>	
2-Methylnaphthalene	<b>190</b>
Carbazole	<b>540 J</b>
Dibenzofuran	<b>370 J</b>
<b>PAH (ug/kg)</b>	
Acenaphthene	<b>170</b>
Acenaphthylene	<b>1800</b>
Anthracene	<b>1100</b>
Benzo(a)anthracene	<b>4300</b>
Benzo(a)pyrene	<b>4200</b>
Benzo(b)fluoranthene	<b>7900</b>
Benzo(g,h,i)perylene	<b>1300</b>
Benzo(k)fluoranthene	<b>2600</b>
Chrysene	<b>4700</b>
Fluoranthene	<b>10000 J</b>
Fluorene	<b>740</b>
Indeno (1,2,3-cd) pyrene	<b>3600</b>
Naphthalene	<b>460</b>
Phenanthrene	<b>6000</b>
Pyrene	<b>8300</b>
<b>Metals, Total (mg/kg)</b>	
Cyanide	<b>18</b>
Aluminum	<b>7200 J</b>
Arsenic	<b>13</b>
Barium	<b>220</b>
Beryllium	<b>0.96</b>
Cadmium	<b>0.88 J</b>
Calcium	<b>8300 J</b>
Chromium	<b>33 J</b>
Cobalt	<b>14 J</b>
Copper	<b>30</b>
Iron	<b>28000 J</b>
Lead	<b>180</b>
Magnesium	<b>450 J</b>
Manganese	<b>1200 J</b>
Nickel	<b>12</b>
Potassium	<b>510 J</b>
Vanadium	<b>42</b>
Zinc	<b>240</b>

**Notes:**

Bold values - Analyte was detected above the SQL

HG - Huntsville Gas

J - The reported value is an estimate

mg/kg - Milligrams per kilogram

PAH - Polycyclic Aromatic Hydrocarbons

SQL - Sample quantitation limit

SVOC - Semivolatile Organic Compounds

U - Analyte was not detected above the SQL

ug/kg - Micrograms per kilogram

## **APPENDIX C**

### **PHOTOGRAPHIC LOG**



**Photograph No.: 1**

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander

**Location:** Huntsville, Madison County, Alabama

**Subject:** 419 Dallas Ave located on site, facing East.

**Orientation:** East

**Date:** April 29, 2008

**Site Name:** Huntsville Gas



**Photograph No.: 2**

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Sample with material - 421 Dallas Ave located on site, facing East.

**Orientation:**

**Date:** April 29, 2008

**Site Name:** Huntsville Gas





**Photograph No.: 3**

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Sample with material - 421 Dallas Ave located on site, facing East

**Orientation:** East

**Date:** April 29, 2008

**Site Name:** Huntsville Gas



**Photograph No.: 4**

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** 423 Dallas Ave located on site, facing East

**Orientation:** East

**Date:** April 29, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 5

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Sample with material - 423 Dallas Ave located on site, facing East

**Orientation:** East

**Date:** April 29, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 6

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** 425 Dallas Ave located on site, facing East

**Orientation:** East

**Date:** April 29, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 7

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** 412 Dallas Ave located on site, facing North.

**Orientation:** Northwest

**Date:** April 30, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 8

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Sampling and boring at Residence 412 Dallas Ave located on site.

**Orientation:** Northwest

**Date:** April 30, 2008

**Site Name:** Huntsville Gas





**Photograph No.:** 9  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** 414 Dallas Ave located on site, facing West.

**Orientation:** Northwest  
**Date:** April 30, 2008  
**Site Name:** Huntsville Gas



**Photograph No.:** 10  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** 416 Dallas Ave located on site, facing the street.

**Orientation:** Northwest  
**Date:** April 30, 2008  
**Site Name:** Huntsville Gas



**Photograph No.:** 11

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** 418 Dallas Ave located on site, facing North.

**Orientation:** Northwest

**Date:** April 30, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 12

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** 420 Dallas Ave located on site, facing the Boys Scouts Building.

**Orientation:** Center

**Date:** April 30, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 13

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** 422 Dallas Ave located on site, facing the Boys Scouts Building.

**Orientation:** Center

**Date:** April 30, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 14

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** 424 Dallas Ave located on site, facing Dallas Ave.

**Orientation:** Center (west)

**Date:** April 30, 2008

**Site Name:** Huntsville Gas





**Photograph No.:** 15  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** Side yard of 424 Dallas Ave located on site, facing Pinhook Creek  
 (between the fence and the railroad) and the yard of the Boys Scouts building.

**Orientation:** Center (west)  
**Date:** April 30, 2008  
**Site Name:** Huntsville Gas



**Photograph No.:** 16  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** Garden #1 of the Boys Scouts building, facing Pinhook Creek.

**Orientation:** West  
**Date:** May 1, 2008  
**Site Name:** Huntsville Gas



**Photograph No.:** 17  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** Garden #1 of the Boys Scouts building, facing Pinhook Creek.

**Orientation:** West  
**Date:** May 1, 2008  
**Site Name:** Huntsville Gas



**Photograph No.:** 18  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** Yard section #1 of the Boys Scouts building.

**Orientation:** Southwest  
**Date:** May 1, 2008  
**Site Name:** Huntsville Gas





**Photograph No.:** 19

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Yard section #2 of the Boys Scouts building.

**Orientation:** Southwest

**Date:** May 1, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 20

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Yard section #3 of the Boys Scouts building.

**Orientation:** South

**Date:** May 1, 2008

**Site Name:** Huntsville Gas



**Photograph No.: 21**  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** Yard section #4 of the Boys Scouts building.

**Orientation:** West  
**Date:** May 1, 2008  
**Site Name:** Huntsville Gas



**Photograph No.: 22**  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** Yard section #5 of the Boys Scouts building.

**Orientation:** Southwest  
**Date:** May 1, 2008  
**Site Name:** Huntsville Gas





**Photograph No.:** 23  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** Yard section #6 of the Boys Scouts building.

**Orientation:** Center (south)  
**Date:** May 1, 2008  
**Site Name:** Huntsville Gas



**Photograph No.:** 24  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** Yard section #7 of the Boys Scouts building.

**Orientation:** South  
**Date:** May 1, 2008  
**Site Name:** Huntsville Gas



**Photograph No.:** 25

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Yard section #8 of the Boys Scouts building.

**Orientation:** West

**Date:** May 1, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 26

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Yard section #9 of the Boys Scouts building.

**Orientation:** South

**Date:** May 1, 2008

**Site Name:** Huntsville Gas





**Photograph No.:** 27

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Garden #2 of the Boys Scouts building, facing Dallas Ave.

**Orientation:** Southwest

**Date:** May 1, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 28

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Material in Garden #2 of the Boys Scouts building, facing Dallas Ave.

**Orientation:** South

**Date:** May 1, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 29

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** West yard section #1 facing the Pinhook Creek.

**Orientation:** West

**Date:** May 1, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 30

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** West yard section #2 facing the Pinhook Creek.

**Orientation:** West

**Date:** May 1, 2008

**Site Name:** Huntsville Gas





**Photograph No.:** 31  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** West yard section #3 facing the Pinhook Creek.

**Orientation:** West  
**Date:** May 1, 2008  
**Site Name:** Huntsville Gas



**Photograph No.:** 32  
**TDD Number:** TNA-05-003-0063  
**Photographer:** Anita Alexander, START  
**Location:** Huntsville, Madison County, Alabama  
**Subject:** Pinhook Creek.

**Orientation:** West  
**Date:** May 1, 2008  
**Site Name:** Huntsville Gas



**Photograph No.:** 33

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Pinhook Creek.

**Orientation:** West

**Date:** May 1, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 34

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Pinhook Creek.

**Orientation:** West

**Date:** May 1, 2008

**Site Name:** Huntsville Gas





**Photograph No.:** 35

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Pinhook Creek.

**Orientation:** West

**Date:** May 1, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 36

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Pinhook Creek.

**Orientation:** West

**Date:** May 1, 2008

**Site Name:** Huntsville Gas



**Photograph No.:** 37

**TDD Number:** TNA-05-003-0063

**Photographer:** Anita Alexander, START

**Location:** Huntsville, Madison County, Alabama

**Subject:** Decon at the site, Boys Scouts building parking lot.

**Orientation:** Center

**Date:** May 1, 2008

**Site Name:** Huntsville Gas

## **APPENDIX D**

### **CLP ANALYTICAL DATA PACKAGE**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

**June 24, 2008**

**4SESD-MTSB**

**MEMORANDUM**

**SUBJECT:** FINAL Analytical Report  
Project: 08-0457, Huntsville Gas Company  
Superfund Emergency Response and Removal

**FROM:** Charlie Appleby  
Quality Assurance Section Chemist

**THRU:** Marilyn Maycock, Chief  
Quality Assurance Section

**TO:** Matthew Huyser

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the associated contract Statement Of Work (SOW). In general, project data quality objectives have not been used to evaluate these data prior to release by the Quality Assurance Section. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report.

Analyses Included in this report:

Method Used:

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**Semi Volatile Organics (SVOA)**

Semivolatile organic compounds

CLP BNA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

**Report Narrative** for Work Order C081902, Project: 08-0457

Site Name: Huntsville Gas Company, Huntsville, AL

Case No. 37420, Work Order No. C081902

ELEMENT Sample IDs.: C081902-01 - C081902-45

Sampling Dates: 04/29-05/01/08

Inorganic Analysis: A4 Scientific, The Woodlands, TX

Date Received from Lab: 05/23/08

Analyses conducted: Total Metals and cyanide

The ESAT Work Team has reviewed the above-captioned CLP data package consisting of 47 soil samples for Total Metals analysis by ICP-AES and cyanide by SOW ILM05.3, according to the contract Statement of Work and EPA guidelines. This package presents acceptable contractual and technical performance with qualifications. Further details are provided below and in the attached review summary form.

Examination of blank samples revealed apparent low-level contamination with several elements. Reported detection limits were adjusted as high as five times blank levels to discount possible false positives due to contamination.

**ICP-AES Analysis**

Matrix spiked sample recovery for arsenic in SDG MD4K98 was 70%. All sample results for arsenic in the above SDG were considered estimated and flagged "J".

Matrix spiked sample recovery for antimony in SDG MD4KB1 was 30%. All sample results for antimony in the above SDG were considered estimated and flagged "J".

Matrix spiked sample recoveries for cadmium and selenium in SDG MD4KB1 were both 72%. All sample results for cadmium and selenium in the above SDG were considered estimated and flagged "J".

Performance evaluation sample recoveries for aluminum and cobalt were both scored as warning high. All positive sample results for aluminum and cobalt were considered estimated and flagged "J".

Matrix duplicate relative percent difference for lead in SDG MD4K97 was 70%. In addition, the serial dilution percent difference for lead was 22%. All sample results for lead in the above SDG were considered estimated and flagged "J".

Matrix duplicate relative percent difference for calcium in SDG MD4KB1 was 37%. All sample results for calcium in the above SDG were considered estimated and flagged "J".



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Serial dilution percent differences for aluminum, chromium, cobalt, iron, lead, manganese, and zinc in SDG MD4K97 were all outside the control limits of + 10%. All sample results for aluminum, chromium, cobalt, iron, lead, manganese, and zinc in the above SDG were considered estimated and flagged "J".

Serial dilution percent differences for aluminum, chromium, iron, and manganese in SDG MD4K98 were all outside the control limits of + 10%. All sample results for aluminum, chromium, iron, and manganese in the above SDG were considered estimated and flagged "J".

Serial dilution percent differences for aluminum, chromium, iron, and manganese in SDG MD4KB1 were all outside the control limits of + 10%. All sample results for aluminum, chromium, iron, and manganese in the above SDG were considered estimated and flagged "J".

#### Cyanide Analysis

No Quality Control/Quality Assurance problems were observed with the cyanide analysis. Examination of blank samples revealed apparent low-level baseline instability with cyanide as listed in Table 1. Reported detection limits were adjusted to discount possible false positives due to baseline instability.

#### Organic Analysis: Shealy Environmental Services, Inc., West Columbia, SC

The ESAT Work Team reviewed data for forty-five soil samples analyzed for semivolatile extractables per CLP statement of work SOM01.2. The samples were collected between 04/29/08 and 05/01/08, and were received by the laboratory between 04/30/08 and 05/02/08. The final data package was received on 05/28/08 by the USEPA Quality Assurance Section, Region 4 SESD/MTSB. The laboratory satisfied all technical analysis and extraction holding time requirements. The data package presents acceptable technical performance with qualifications.

The compound di-n-butylphthalate was scored as a contaminant at less than the CRQL in the semivolatile extractable performance evaluation sample (PES). This analyte was treated as a method blank contaminant during data qualification.

The compound pentachlorophenol responded poorly in the initial SIM calibration ( $RRF < 0.050$ ) which would require "R" qualification of all non-detects. Therefore, all non-detect pentachlorophenol results were entered into Element from the full scan analysis.

Twenty semivolatile extractable compounds exhibited erratic continuing calibration performance. All results for these compounds were "J" qualified in the associated samples.

Deuterated monitoring compounds (DMC) are used as surrogates in each sample for GC/MS analysis to monitor





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extraction efficiency. Low DMC recoveries were observed in samples C081902-04, C081902-07, C081902-08, C081902-09, C081902-11, C081902-28, and C081902-41. Low DMC recoveries were observed in semivolatile SIM samples C081902-06, C081902-07, C081902-08, C081902-09, C081902-10, C081902-11, C081902-18, C081902-19, C081902-20, C081902-21, C081902-37, C081902-40, and C081902-41. All compounds associated with these DMCs were "J" qualified.

Recoveries for the DMC 4-chloroaniline-d4 were below 10%, but within limits, in samples C081902-01, C081902-02, C081902-03, C081902-04, C081902-05, C081902-10, C081902-11, and C081902-28. All compounds associated with this DMC were "J" qualified.

The DMC phenol-d5 was not recovered in sample C081902-10. All compounds associated with this DMC were "R" qualified.

High DMC recoveries were observed in samples C081902-05, C081902-06, C081902-08, C081902-20, C081902-37, and C081902-38. High DMC recoveries were observed in semivolatile SIM samples C081902-16, C081902-31, C081902-35, and C081902-45. All positive results associated with these DMCs were "J" qualified.

Low area counts were observed for internal standards in the full scan analysis of sample C081902-06, and in the SIM analysis of samples C081902-01 and C081902-39. All compounds associated with internal standards below QC limits were "J" qualified in these samples.

The recovery of pentachlorophenol was below QC limits in the MS/MSD performed for sample C081902-10. The recovery of N-nitroso-di-n-propylamine was below QC limits in the MS/MSD performed for sample C081902-37. These compounds were "J" qualified in the native samples. The recovery of pyrene was above QC limits in the MS/MSD performed for sample C081902-38. The positive result for this compound was "J" qualified in the native sample.

Data qualification factors are explained by the Region 4 - specific qualifier definitions which are included elsewhere in this report. Further details are provided in the complete data review report, which is on file in the Region 4 SEDS Records Center.

cc: Nardina Turner



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D.A.R.T. Id: 08-0457

**SAMPLES INCLUDED IN THIS REPORT**

**Project: 08-0457, Huntsville Gas Company**

**Contract Lab Case: 37420**

Sample ID	Laboratory ID	MD#	D#	Matrix	Date Collected	Date Received
HG-Res-01	C081902-01	4K99	4K99	Subsurface Soil	4/29/08 10:00	5/2/08 16:48
HG-Res-02	C081902-02	4KA1	4KA1	Subsurface Soil	4/29/08 10:30	5/2/08 16:48
HG-Res-03	C081902-03	4KA2	4KA2	Subsurface Soil	4/29/08 11:00	5/2/08 16:48
HG-Res-04	C081902-04	4KA3	4KA3	Subsurface Soil	4/29/08 11:05	5/2/08 16:48
HG-Res-05	C081902-05	4KA4	4KA4	Subsurface Soil	4/29/08 11:57	5/2/08 16:48
HG-Res-06	C081902-06	4KA5	4KA5	Subsurface Soil	4/29/08 12:00	5/2/08 16:48
HG-Res-07	C081902-07	4KA6	4KA6	Subsurface Soil	4/29/08 14:30	5/2/08 16:48
HG-Res-08	C081902-08	4KA7	4KA7	Subsurface Soil	4/29/08 14:00	5/2/08 16:48
HG-Res-10	C081902-09	4KA9	4KA9	Subsurface Soil	4/29/08 11:36	5/2/08 16:48
HG-Res-09	C081902-10	4KA8	4KA8	Subsurface Soil	4/29/08 15:40	5/2/08 16:48
HG-Res-11	C081902-11	4KB0	4KB0	Subsurface Soil	4/29/08 15:35	5/2/08 16:48
HG-Res-27	C081902-12	4KC8	4KC8	Subsurface Soil	4/30/08 14:10	5/2/08 16:48
HG-Res-28	C081902-13	4KC9	4KC9	Subsurface Soil	4/30/08 14:25	5/2/08 16:48
HG-Res-32	C081902-14	4KD0	4KD0	Subsurface Soil	4/30/08 14:45	5/2/08 16:48
HG-Res-20	C081902-15	4KD1	4KD1	Subsurface Soil	5/1/08 09:00	5/2/08 16:48
HG-Res-31	C081902-16	4KD2	4KD2	Subsurface Soil	5/1/08 10:05	5/2/08 16:48
HG-Res-32	C081902-17	4KD3	4KD3	Subsurface Soil	5/1/08 10:00	5/2/08 16:48
HG-Res-33	C081902-18	4KD4	4KD4	Subsurface Soil	5/1/08 10:15	5/2/08 16:48
HG-Res-34	C081902-19	4KD5	4KD5	Subsurface Soil	5/1/08 11:40	5/2/08 16:48
HG-Res-35	C081902-20	4KD6	4KD6	Subsurface Soil	5/1/08 11:35	5/2/08 16:48
HG-Res-36	C081902-21	4KD7	4KD7	Subsurface Soil	5/1/08 12:25	5/2/08 16:48
HG-Res-22	C081902-22	4KC3	4KC3	Subsurface Soil	4/30/08 11:40	5/2/08 16:48
HG-Res-23	C081902-23	4KC4	4KC4	Subsurface Soil	4/30/08 11:40	5/2/08 16:48
HG-Res-24	C081902-24	4KC5	4KC5	Subsurface Soil	4/30/08 14:00	5/2/08 16:48
HG-Res-25	C081902-25	4KC6	4KC6	Subsurface Soil	4/30/08 13:50	5/2/08 16:48
HG-Res-26	C081902-26	4KC7	4KC7	Subsurface Soil	4/30/08 13:35	5/2/08 16:48
HG-DS-01	C081902-27	4KB1	4KB1	Subsurface Soil	5/1/08 15:30	5/2/08 16:48
HG-Res-12	C081902-28	4KB3	4KB3	Subsurface Soil	4/30/08 08:30	5/2/08 16:48
HG-Res-13	C081902-29	4KB4	4KB4	Subsurface Soil	4/30/08 09:20	5/2/08 16:48
HG-Res-14	C081902-30	4KB5	4KB5	Subsurface Soil	4/30/08 08:25	5/2/08 16:48
HG-Res-15	C081902-31	4KB6	4KB6	Subsurface Soil	4/30/08 09:10	5/2/08 16:48
HG-Res-16	C081902-32	4KB7	4KB7	Subsurface Soil	4/30/08 10:09	5/2/08 16:48
HG-Res-17	C081902-33	4KB8	4KB8	Subsurface Soil	4/30/08 09:30	5/2/08 16:48
HG-Res-18	C081902-34	4KB9	4KB9	Subsurface Soil	4/30/08 10:30	5/2/08 16:48





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HG-Res-19	C081902-35	4KC0	4KC0	Subsurface Soil	4/30/08 11:30	5/2/08 16:48
HG-Res-20	C081902-36	4KC1	4KC1	Subsurface Soil	4/30/08 10:30	5/2/08 16:48
HG-Res-00	C081902-37	4KB2	4KB2	Subsurface Soil	5/1/08 15:30	5/2/08 16:48
HG-Res-21	C081902-38	4KE5	4KE5	Subsurface Soil	4/30/08 11:00	5/2/08 16:48
HG-Res-37	C081902-39	4KD8	4KD8	Subsurface Soil	5/1/08 12:20	5/2/08 16:48
HG-Res-38	C081902-40	4KD9	4KD9	Subsurface Soil	5/1/08 11:00	5/2/08 16:48
HG-Res-39	C081902-41	4KE0	4KE0	Subsurface Soil	5/1/08 11:05	5/2/08 16:48
HG-Res-40	C081902-42	4KE1	4KE1	Subsurface Soil	5/1/08 12:20	5/2/08 16:48
HG-Res-41	C081902-43	4KE2	4KE2	Subsurface Soil	5/1/08 14:20	5/2/08 16:48
HG-Res-42	C081902-44	4KE3	4KE3	Subsurface Soil	5/1/08 14:30	5/2/08 16:48
HG-Res-43	C081902-45	4KE4	4KE4	Subsurface Soil	5/1/08 14:40	5/2/08 16:48



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## DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
CLP01	Concentration reported is less than the lowest standard on calibration curve
CLP15	TIC Results Reported as Identified by Lab - IDs Not Verified
J	The identification of the analyte is acceptable; the reported value is an estimate.
NJ	Presumptive evidence that analyte is present; reported as a tentative identification with an estimated value.
QC-1	Analyte concentration low in continuing calibration verification standard
QC-2	Analyte concentration high in continuing calibration verification standard
QI-1	Internal standard was outside of method control limits.
QM-1	Matrix Spike Recovery less than method control limits
QM-2	Matrix Spike Recovery greater than method control limits
QM-3	Matrix Spike Precision outside method control limits
QS-3	Surrogate recovery is lower than established control limits.
QS-4	Surrogate recovery less than 10%
QS-5	Surrogate recovery is higher than established control limits
R	The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.

## ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service  Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System ( <a href="http://www.epa.gov/srs">www.epa.gov/srs</a> ), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - The analyte concentration which corresponds to the lowest quantitative point on the calibration curve or the lowest demonstrated level of acceptable quantitation.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



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D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-01

Lab ID: C081902-01

MD No: 4K99 A4

Station ID: HG-RES-01

Matrix: Subsurface Soil

D No: 4K99 SHEALY

Date Collected: 4/29/08 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	15		%		5/06/08	5/17/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	200	U, J, QC-1	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	380	U	ug/kg dry	380	5/06/08	5/17/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	380	U	ug/kg dry	380	5/06/08	5/17/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	67	J, QI-1	ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	380	U	ug/kg dry	380	5/06/08	5/17/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	200	U, J, QS-4	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	380	U	ug/kg dry	380	5/06/08	5/17/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	200	U, J, QS-4	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	380	U	ug/kg dry	380	5/06/08	5/17/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	380	U, J, QC-2	ug/kg dry	380	5/06/08	5/17/08	CLP SOM01.2 B
83-32-9	Acenaphthene	32	J, CLP01, QI-1	ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	60	J, QI-1	ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
98-86-2	Acetophenone	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
120-12-7	Anthracene	110	J, QI-1	ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-01

Lab ID: C081902-01

MD No: 4K99 A4

Station ID: HG-RES-01

Matrix: Subsurface Soil

D No: 4K99 SHEALY

Date Collected: 4/29/08 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	380		ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	440		ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	530		ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	210		ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	190	J, CLP01	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
105-60-2	Caprolactam	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
86-74-8	Carbazole	34	J, CLP01	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
218-01-9	Chrysene	240		ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	38	U, J, QI-1	ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	200	U, J, QC-2	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
206-44-0	Fluoranthene	600		ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
86-73-7	Fluorene	30	J, CLP01, QI-1	ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	200	U, J, QS-4	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	210		ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
78-59-1	Isophorone	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
91-20-3	Naphthalene	43	J, QI-1	ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-01

Lab ID: C081902-01

MD No: 4K99 A4

Station ID: HG-RES-01

Matrix: Subsurface Soil

D No: 4K99 SHEALY

Date Collected: 4/29/08 10:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	77	U, J, QI-1	ug/kg dry	77	5/06/08	5/20/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	330		ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
108-95-2	Phenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
129-00-0	Pyrene	520		ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
R4-0000	Tentatively Identified Compounds	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-02

Lab ID: C081902-02

MD No: 4KA1 A4

Station ID: HG-RES-02

Matrix: Subsurface Soil

D No: 4KA1 SHEALY

Date Collected: 4/29/08 10:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	15		%		5/06/08	5/16/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	200	U, J, QC-1	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	31		ug/kg dry	3.8	5/06/08	5/17/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	200	U, J, QS-4	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	200	U, J, QC-2, QS-4	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	380	U, J, QC-2	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
83-32-9	Acenaphthene	3.8	U	ug/kg dry	3.8	5/06/08	5/17/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	70		ug/kg dry	19	5/06/08	5/20/08	CLP SOM01.2 BS
98-86-2	Acetophenone	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-02

Lab ID: C081902-02

MD No: 4KA1 A4

Station ID: HG-RES-02

Matrix: Subsurface Soil

D No: 4KA1 SHEALY

Date Collected: 4/29/08 10:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
120-12-7	Anthracene	68		ug/kg dry	19	5/06/08	5/20/08	CLP SOM01.2 BS
1912-24-9	Atrazine	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	450		ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	470		ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	530		ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	270		ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	200		ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
105-60-2	Caprolactam	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
86-74-8	Carbazole	22	J, CLP01	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
218-01-9	Chrysene	420		ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	3.8	U	ug/kg dry	3.8	5/06/08	5/17/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
206-44-0	Fluoranthene	540		ug/kg dry	76	5/06/08	5/22/08	CLP SOM01.2 BS
86-73-7	Fluorene	9.4		ug/kg dry	3.8	5/06/08	5/17/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	200	U, J, QS-4	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	260		ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
78-59-1	Isophorone	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
91-20-3	Naphthalene	21		ug/kg dry	3.8	5/06/08	5/17/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-02

Lab ID: C081902-02

MD No: 4KA1 A4

Station ID: HG-RES-02

Matrix: Subsurface Soil

D No: 4KA1 SHEALY

Date Collected: 4/29/08 10:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
85-01-8	Phenanthrene	100		ug/kg dry	19	5/06/08	5/20/08	CLP SOM01.2 BS
108-95-2	Phenol	200	U	ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
129-00-0	Pyrene	480		ug/kg dry	200	5/06/08	5/16/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
192-97-2	Benzo[e]pyrene	300	NJ, CLP15	ug/kg dry		5/06/08	5/16/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-03

Lab ID: C081902-03

MD No: 4KA2 A4

Station ID: HG-RES-03

Matrix: Subsurface Soil

D No: 4KA2 SHEALY

Date Collected: 4/29/08 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		5/06/08	5/16/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	390	U, J, QC-1	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	760	U	ug/kg dry	760	5/06/08	5/16/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	760	U	ug/kg dry	760	5/06/08	5/16/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	84		ug/kg dry	76	5/06/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	760	U	ug/kg dry	760	5/06/08	5/16/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	390	U, J, QS-4	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	760	U	ug/kg dry	760	5/06/08	5/16/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	390	U, J, QC-2, QS-4	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	760	U, J, QC-2	ug/kg dry	760	5/06/08	5/16/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	760	U	ug/kg dry	760	5/06/08	5/16/08	CLP SOM01.2 B
83-32-9	Acenaphthene	52		ug/kg dry	7.6	5/06/08	5/20/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	160		ug/kg dry	76	5/06/08	5/22/08	CLP SOM01.2 BS
98-86-2	Acetophenone	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-03

Lab ID: C081902-03

MD No: 4KA2 A4

Station ID: HG-RES-03

Matrix: Subsurface Soil

D No: 4KA2 SHEALY

Date Collected: 4/29/08 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
120-12-7	Anthracene	220	J, CLP01	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
1912-24-9	Atrazine	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	970		ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	1400		ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	1500		ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	850		ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	570		ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
105-60-2	Caprolactam	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
86-74-8	Carbazole	220	J, CLP01	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
218-01-9	Chrysene	1100		ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	7.6	U	ug/kg dry	7.6	5/06/08	5/20/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	81	J, CLP01	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
206-44-0	Fluoranthene	2700		ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
86-73-7	Fluorene	83		ug/kg dry	76	5/06/08	5/22/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	390	U, J, QS-4	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	810		ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
78-59-1	Isophorone	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
91-20-3	Naphthalene	90		ug/kg dry	76	5/06/08	5/22/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-03

Lab ID: C081902-03

MD No: 4KA2 A4

Station ID: HG-RES-03

Matrix: Subsurface Soil

D No: 4KA2 SHEALY

Date Collected: 4/29/08 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-95-3	Nitrobenzene	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	16	U	ug/kg dry	16	5/06/08	5/20/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	1700		ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
108-95-2	Phenol	390	U	ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
129-00-0	Pyrene	2100		ug/kg dry	390	5/06/08	5/16/08	CLP SOM01.2 B
Tentatively Identified Compounds:								
192-97-2	Benzo[e]pyrene	800	NJ, CLP15	ug/kg dry		5/06/08	5/16/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	500	J, CLP15	ug/kg dry		5/06/08	5/16/08	CLP SOM01.2 B



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Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-04

Lab ID: C081902-04

MD No: 4KA3 A4

Station ID: HG-RES-04

Matrix: Subsurface Soil

D No: 4KA3 SHEALY

Date Collected: 4/29/08 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	14		%		5/06/08	5/16/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U, J, QS-3	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	380	U, J, QS-3	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	380	U, J, QS-3	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	380	U, J, QC-1, QS-3	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	380	U, J, QS-3	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	740	U	ug/kg dry	740	5/06/08	5/16/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	740	U	ug/kg dry	740	5/06/08	5/16/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	19		ug/kg dry	7.4	5/06/08	5/20/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	740	U	ug/kg dry	740	5/06/08	5/16/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	380	U, J, QS-4	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	740	U	ug/kg dry	740	5/06/08	5/16/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	380	U, J, QS-3	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	380	U, J, QC-2, QS-4	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	740	U, J, QC-2	ug/kg dry	740	5/06/08	5/16/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	740	U	ug/kg dry	740	5/06/08	5/16/08	CLP SOM01.2 B
83-32-9	Acenaphthene	7.4	U	ug/kg dry	7.4	5/06/08	5/20/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	32		ug/kg dry	7.4	5/06/08	5/20/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-04

Lab ID: C081902-04

MD No: 4KA3 A4

Station ID: HG-RES-04

Matrix: Subsurface Soil

D No: 4KA3 SHEALY

Date Collected: 4/29/08 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
120-12-7	Anthracene	28		ug/kg dry	7.4	5/06/08	5/20/08	CLP SOM01.2 BS
1912-24-9	Atrazine	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	88		ug/kg dry	15	5/06/08	5/20/08	CLP SOM01.2 BS
50-32-8	Benzo(a)pyrene	150		ug/kg dry	15	5/06/08	5/20/08	CLP SOM01.2 BS
205-99-2	Benzo(b)fluoranthene	210	J, CLP01	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	110		ug/kg dry	15	5/06/08	5/20/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	140	J, QC-2	ug/kg dry	15	5/06/08	5/20/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
105-60-2	Caprolactam	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
86-74-8	Carbazole	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
218-01-9	Chrysene	100		ug/kg dry	15	5/06/08	5/20/08	CLP SOM01.2 BS
53-70-3	Dibenzo(a,h)anthracene	7.4	U	ug/kg dry	7.4	5/06/08	5/20/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
206-44-0	Fluoranthene	140		ug/kg dry	15	5/06/08	5/20/08	CLP SOM01.2 BS
86-73-7	Fluorene	2.6	J, CLP01	ug/kg dry	7.4	5/06/08	5/20/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	380	U, J, QS-3	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	380	U, J, QS-4	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	120		ug/kg dry	15	5/06/08	5/20/08	CLP SOM01.2 BS
78-59-1	Isophorone	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KA3 A4

D No: 4KA3 SHEALY

Sample ID: HG-Res-04

Lab ID: C081902-04

Station ID: HG-RES-04

Matrix: Subsurface Soil

Date Collected: 4/29/08 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-20-3	Naphthalene	12		ug/kg dry	7.4	5/06/08	5/20/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	15	U	ug/kg dry	15	5/06/08	5/20/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	49		ug/kg dry	7.4	5/06/08	5/20/08	CLP SOM01.2 BS
108-95-2	Phenol	380	U	ug/kg dry	380	5/06/08	5/16/08	CLP SOM01.2 B
129-00-0	Pyrene	120		ug/kg dry	15	5/06/08	5/20/08	CLP SOM01.2 BS
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	400	U	ug/kg dry	400	5/06/08	5/16/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-05

Lab ID: C081902-05

MD No: 4KA4 A4

Station ID: HG-RES-05

Matrix: Subsurface Soil

D No: 4KA4 SHEALY

Date Collected: 4/29/08 11:57

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	13		%		5/06/08	5/17/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	190	U, J, QC-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	370	U	ug/kg dry	370	5/06/08	5/17/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	370	U	ug/kg dry	370	5/06/08	5/17/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	15		ug/kg dry	3.7	5/06/08	5/17/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	370	U	ug/kg dry	370	5/06/08	5/17/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	190	U, J, QS-4	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	370	U	ug/kg dry	370	5/06/08	5/17/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	190	U, J, QS-4	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	370	U	ug/kg dry	370	5/06/08	5/17/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	370	U, J, QC-2	ug/kg dry	370	5/06/08	5/17/08	CLP SOM01.2 B
83-32-9	Acenaphthene	3.7	U	ug/kg dry	3.7	5/06/08	5/17/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	19		ug/kg dry	3.7	5/06/08	5/17/08	CLP SOM01.2 BS
98-86-2	Acetophenone	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
120-12-7	Anthracene	20		ug/kg dry	3.7	5/06/08	5/17/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-05

Lab ID: C081902-05

MD No: 4KA4 A4

Station ID: HG-RES-05

Matrix: Subsurface Soil

D No: 4KA4 SHEALY

Date Collected: 4/29/08 11:57

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	66		ug/kg dry	19	5/06/08	5/20/08	CLP SOM01.2 BS
50-32-8	Benzo(a)pyrene	210		ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	270		ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	51		ug/kg dry	7.5	5/06/08	5/20/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	89		ug/kg dry	19	5/06/08	5/20/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
105-60-2	Caprolactam	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
86-74-8	Carbazole	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
218-01-9	Chrysene	64		ug/kg dry	19	5/06/08	5/20/08	CLP SOM01.2 BS
53-70-3	Dibenzo(a,h)anthracene	3.7	U	ug/kg dry	3.7	5/06/08	5/17/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	190	U, J, QC-2	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
206-44-0	Fluoranthene	110		ug/kg dry	19	5/06/08	5/20/08	CLP SOM01.2 BS
86-73-7	Fluorene	3.7	U	ug/kg dry	3.7	5/06/08	5/17/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	190	U, J, QS-4	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	57		ug/kg dry	7.5	5/06/08	5/20/08	CLP SOM01.2 BS
78-59-1	Isophorone	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
91-20-3	Naphthalene	11		ug/kg dry	3.7	5/06/08	5/17/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-05

Lab ID: C081902-05

MD No: 4KA4 A4

Station ID: HG-RES-05

Matrix: Subsurface Soil

D No: 4KA4 SHEALY

Date Collected: 4/29/08 11:57

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	370	U	ug/kg dry	370	5/06/08	5/17/08	CLP SOM01.2 B
85-01-8	Phenanthrene	58		ug/kg dry	7.5	5/06/08	5/20/08	CLP SOM01.2 BS
108-95-2	Phenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
129-00-0	Pyrene	78		ug/kg dry	19	5/06/08	5/20/08	CLP SOM01.2 BS
<b>Tentatively Identified Compounds:</b>								
R4-6501	Unidentified Compound(s)	600	J, CLP15	ug/kg dry		5/06/08	5/17/08	CLP SOM01.2 B



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 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-06

Lab ID: C081902-06

MD No: 4KA5 A4

Station ID: HG-RES-06

Matrix: Subsurface Soil

D No: 4KA5 SHEALY

Date Collected: 4/29/08 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	11		%		5/06/08	5/17/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	190	U, J, QC-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	360	U	ug/kg dry	360	5/06/08	5/17/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	360	U, J, QI-1	ug/kg dry	360	5/06/08	5/17/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	8.3		ug/kg dry	3.6	5/06/08	5/17/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	360	U	ug/kg dry	360	5/06/08	5/17/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	360	U	ug/kg dry	360	5/06/08	5/17/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	360	U	ug/kg dry	360	5/06/08	5/17/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	360	U, J, QC-2	ug/kg dry	360	5/06/08	5/17/08	CLP SOM01.2 B
83-32-9	Acenaphthene	3.6	U	ug/kg dry	3.6	5/06/08	5/17/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	10		ug/kg dry	3.6	5/06/08	5/17/08	CLP SOM01.2 BS
98-86-2	Acetophenone	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
120-12-7	Anthracene	20		ug/kg dry	3.6	5/06/08	5/17/08	CLP SOM01.2 BS





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-06

Lab ID: C081902-06

MD No: 4KA5 A4

Station ID: HG-RES-06

Matrix: Subsurface Soil

D No: 4KA5 SHEALY

Date Collected: 4/29/08 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	37	J, QS-3	ug/kg dry	7.3	5/06/08	5/20/08	CLP SOM01.2 BS
50-32-8	Benzo(a)pyrene	39	J, QS-3	ug/kg dry	7.3	5/06/08	5/20/08	CLP SOM01.2 BS
205-99-2	Benzo(b)fluoranthene	44	J, QS-3	ug/kg dry	7.3	5/06/08	5/20/08	CLP SOM01.2 BS
191-24-2	Benzo(g,h,i)perylene	32	J, QS-3	ug/kg dry	3.6	5/06/08	5/17/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	71	J, QS-3	ug/kg dry	7.3	5/06/08	5/20/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
105-60-2	Caprolactam	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
86-74-8	Carbazole	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
218-01-9	Chrysene	35	J, QS-3	ug/kg dry	7.3	5/06/08	5/20/08	CLP SOM01.2 BS
53-70-3	Dibenzo(a,h)anthracene	3.6	U, J, QS-3	ug/kg dry	3.6	5/06/08	5/17/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	190	U, J, QI-1, QC-2	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
206-44-0	Fluoranthene	60	J, QS-3	ug/kg dry	7.3	5/06/08	5/20/08	CLP SOM01.2 BS
86-73-7	Fluorene	5.4		ug/kg dry	3.6	5/06/08	5/17/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	35	J, QS-3	ug/kg dry	3.6	5/06/08	5/17/08	CLP SOM01.2 BS
78-59-1	Isophorone	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
91-20-3	Naphthalene	5.5		ug/kg dry	3.6	5/06/08	5/17/08	CLP SOM01.2 BS



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Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-06

Lab ID: C081902-06

MD No: 4KA5 A4

Station ID: HG-RES-06

Matrix: Subsurface Soil

D No: 4KA5 SHEALY

Date Collected: 4/29/08 12:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	190	U	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	360	U, J, QI-1	ug/kg dry	360	5/06/08	5/17/08	CLP SOM01.2 B
85-01-8	Phenanthrene	24		ug/kg dry	7.3	5/06/08	5/20/08	CLP SOM01.2 BS
108-95-2	Phenol	190	U, J, QI-1	ug/kg dry	190	5/06/08	5/17/08	CLP SOM01.2 B
129-00-0	Pyrene	46	J, QS-3	ug/kg dry	7.3	5/06/08	5/20/08	CLP SOM01.2 BS
<b>Tentatively Identified Compounds:</b>								
R4-6501	Unidentified Compound(s)	300	J, CLP15	ug/kg dry		5/06/08	5/17/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-07

Lab ID: C081902-07

MD No: 4KA6 A4

Station ID: HG-RES-07

Matrix: Subsurface Soil

D No: 4KA6 SHEALY

Date Collected: 4/29/08 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		5/06/08	5/17/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	200	U, J, QC-1	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	8.2	J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	390	U, J, QC-2	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
83-32-9	Acenaphthene	3.9	U, J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	4.4	J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
98-86-2	Acetophenone	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
120-12-7	Anthracene	4.9	J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS



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980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-07

Lab ID: C081902-07

MD No: 4KA6 A4

Station ID: HG-RES-07

Matrix: Subsurface Soil

D No: 4KA6 SHEALY

Date Collected: 4/29/08 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	200	U, J, QS-3	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	18		ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
50-32-8	Benzo(a)pyrene	12		ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
205-99-2	Benzo(b)fluoranthene	14		ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
191-24-2	Benzo(g,h,i)perylene	11		ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	12		ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
105-60-2	Caprolactam	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
86-74-8	Carbazole	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
218-01-9	Chrysene	28		ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
53-70-3	Dibenzo(a,h)anthracene	3.9	U	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	200	U, J, QC-2	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
206-44-0	Fluoranthene	31		ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
86-73-7	Fluorene	3.9	U, J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	13		ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
78-59-1	Isophorone	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
91-20-3	Naphthalene	5.7	J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-07

Lab ID: C081902-07

MD No: 4KA6 A4

Station ID: HG-RES-07

Matrix: Subsurface Soil

D No: 4KA6 SHEALY

Date Collected: 4/29/08 14:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
85-01-8	Phenanthrene	15	J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
108-95-2	Phenol	200	U, J, QS-3	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
129-00-0	Pyrene	34		ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
<b>Tentatively Identified Compounds:</b>								
R4-0000	Tentatively Identified Compounds	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-08

Lab ID: C081902-08

MD No: 4KA7 A4

Station ID: HG-RES-08

Matrix: Subsurface Soil

D No: 4KA7 SHEALY

Date Collected: 4/29/08 14:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		5/06/08	5/17/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	200	U, J, QC-1	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	22	J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	390	U, J, QC-2	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
83-32-9	Acenaphthene	3.9	U, J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	16	J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
98-86-2	Acetophenone	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
120-12-7	Anthracene	22	J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-08

Lab ID: C081902-08

MD No: 4KA7 A4

Station ID: HG-RES-08

Matrix: Subsurface Soil

D No: 4KA7 SHEALY

Date Collected: 4/29/08 14:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	200	U, J, QS-3	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	170	J, QC-1	ug/kg dry	20	5/06/08	5/20/08	CLP SOM01.2 BS
50-32-8	Benzo(a)pyrene	110		ug/kg dry	20	5/06/08	5/20/08	CLP SOM01.2 BS
205-99-2	Benzo(b)fluoranthene	130	J, QC-1	ug/kg dry	20	5/06/08	5/20/08	CLP SOM01.2 BS
191-24-2	Benzo(g,h,i)perylene	94		ug/kg dry	20	5/06/08	5/20/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	130	J, QC-2	ug/kg dry	20	5/06/08	5/20/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
105-60-2	Caprolactam	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
86-74-8	Carbazole	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
218-01-9	Chrysene	95	J, QC-2	ug/kg dry	39	5/06/08	5/22/08	CLP SOM01.2 BS
53-70-3	Dibenzo(a,h)anthracene	3.9	U	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	200	U, J, QC-2	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
206-44-0	Fluoranthene	160		ug/kg dry	39	5/06/08	5/22/08	CLP SOM01.2 BS
86-73-7	Fluorene	3.9	U, J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	120		ug/kg dry	20	5/06/08	5/20/08	CLP SOM01.2 BS
78-59-1	Isophorone	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
91-20-3	Naphthalene	12	J, QS-3	ug/kg dry	3.9	5/06/08	5/17/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B



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Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-08

Lab ID: C081902-08

MD No: 4KA7 A4

Station ID: HG-RES-08

Matrix: Subsurface Soil

D No: 4KA7 SHEALY

Date Collected: 4/29/08 14:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
85-01-8	Phenanthrene	180	J, QS-3	ug/kg dry	20	5/06/08	5/20/08	CLP SOM01.2 BS
108-95-2	Phenol	200	U, J, QS-3	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B
129-00-0	Pyrene	140		ug/kg dry	39	5/06/08	5/22/08	CLP SOM01.2 BS
<b>Tentatively Identified Compounds:</b>								
R4-0000	Tentatively Identified Compounds	200	U	ug/kg dry	200	5/06/08	5/17/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-10

Lab ID: C081902-09

MD No: 4KA9 A4

Station ID: HG-RES-10

Matrix: Subsurface Soil

D No: 4KA9 SHEALY

Date Collected: 4/29/08 11:36

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	14		%		5/06/08	5/17/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	390	U, J, QC-1	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	760	U	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	760	U	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	66	J, QS-3	ug/kg dry	7.6	5/06/08	5/17/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	760	U	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	760	U	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	760	U	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	760	U, J, QC-2	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
83-32-9	Acenaphthene	24	J, QS-3	ug/kg dry	7.6	5/06/08	5/17/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	76	J, QS-3	ug/kg dry	7.6	5/06/08	5/17/08	CLP SOM01.2 BS
98-86-2	Acetophenone	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
120-12-7	Anthracene	150	J, QS-3	ug/kg dry	76	5/06/08	5/20/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-10

Lab ID: C081902-09

MD No: 4KA9 A4

Station ID: HG-RES-10

Matrix: Subsurface Soil

D No: 4KA9 SHEALY

Date Collected: 4/29/08 11:36

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	390	U, J, QS-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	290	J, QS-3	ug/kg dry	76	5/06/08	5/20/08	CLP SOM01.2 BS
50-32-8	Benzo(a)pyrene	210	J, QS-3	ug/kg dry	76	5/06/08	5/20/08	CLP SOM01.2 BS
191-24-2	Benzo(g,h,i)perylene	170	J, QS-3	ug/kg dry	76	5/06/08	5/20/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	340	J, QS-3	ug/kg dry	76	5/06/08	5/20/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
105-60-2	Caprolactam	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
86-74-8	Carbazole	40	J, CLP01	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
218-01-9	Chrysene	350	J, QS-3	ug/kg dry	76	5/06/08	5/20/08	CLP SOM01.2 BS
53-70-3	Dibenzo(a,h)anthracene	7.6	U, J, QS-3	ug/kg dry	7.6	5/06/08	5/17/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
206-44-0	Fluoranthene	610		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
86-73-7	Fluorene	19	J, QS-3	ug/kg dry	7.6	5/06/08	5/17/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	220	J, QS-3	ug/kg dry	76	5/06/08	5/20/08	CLP SOM01.2 BS
78-59-1	Isophorone	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
91-20-3	Naphthalene	43	J, QS-3	ug/kg dry	7.6	5/06/08	5/17/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-10

Lab ID: C081902-09

MD No: 4KA9 A4

Station ID: HG-RES-10

Matrix: Subsurface Soil

D No: 4KA9 SHEALY

Date Collected: 4/29/08 11:36

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	760	U	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
85-01-8	Phenanthrene	310	J, QS-3	ug/kg dry	76	5/06/08	5/20/08	CLP SOM01.2 BS
108-95-2	Phenol	390	U, J, QS-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
129-00-0	Pyrene	550		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
50-29-3	p,p'-DDT	600	NJ, CLP15	ug/kg dry		5/06/08	5/17/08	CLP SOM01.2 B



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Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-09

Lab ID: C081902-10

MD No: 4KA8 A4

Station ID: HG-RES-09

Matrix: Subsurface Soil

D No: 4KA8 SHEALY

Date Collected: 4/29/08 15:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	13		%		5/06/08	5/17/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	390	U, J, QC-1	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	750	U	ug/kg dry	750	5/06/08	5/17/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	750	U	ug/kg dry	750	5/06/08	5/17/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	200		ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	750	U	ug/kg dry	750	5/06/08	5/17/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	390	U, J, QS-4	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	750	U	ug/kg dry	750	5/06/08	5/17/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	390	U, J, QS-4	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	750	U	ug/kg dry	750	5/06/08	5/17/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	750	U, J, QC-2	ug/kg dry	750	5/06/08	5/17/08	CLP SOM01.2 B
83-32-9	Acenaphthene	63		ug/kg dry	7.5	5/06/08	5/17/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	130		ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
98-86-2	Acetophenone	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
120-12-7	Anthracene	310		ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-09

Lab ID: C081902-10

MD No: 4KA8 A4

Station ID: HG-RES-09

Matrix: Subsurface Soil

D No: 4KA8 SHEALY

Date Collected: 4/29/08 15:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	390	U, R, QS-4	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	1000		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	1100		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	1600		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	510		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	470		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
105-60-2	Caprolactam	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
86-74-8	Carbazole	110	J, CLP01	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
218-01-9	Chrysene	670		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	7.5	U, J, QS-3	ug/kg dry	7.5	5/06/08	5/17/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	74	J, CLP01	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	390	U, J, QC-2	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
206-44-0	Fluoranthene	2200		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
86-73-7	Fluorene	43		ug/kg dry	7.5	5/06/08	5/17/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	390	U, J, QS-4	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	490		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
78-59-1	Isophorone	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
91-20-3	Naphthalene	140		ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-09

Lab ID: C081902-10

MD No: 4KA8 A4

Station ID: HG-RES-09

Matrix: Subsurface Soil

D No: 4KA8 SHEALY

Date Collected: 4/29/08 15:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	750	U, J, QM-1	ug/kg dry	750	5/06/08	5/17/08	CLP SOM01.2 B
85-01-8	Phenanthrene	920		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
108-95-2	Phenol	390	U, R, QS-4	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
129-00-0	Pyrene	1400	J, QM-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
54105-67-8	Heptadecane, 2,6-dimethyl-	800	NJ, CLP15	ug/kg dry		5/06/08	5/17/08	CLP SOM01.2 B
198-55-0	Perylene	700	NJ, CLP15	ug/kg dry		5/06/08	5/17/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	500	J, CLP15	ug/kg dry		5/06/08	5/17/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-11

Lab ID: C081902-11

MD No: 4KB0 A4

Station ID: HG-RES-09

Matrix: Subsurface Soil

D No: 4KB0 SHEALY

Date Collected: 4/29/08 15:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	14		%		5/06/08	5/17/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U, J, QS-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	390	U, J, QS-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	390	U, J, QS-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	390	U, J, QC-1, QS-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	390	U, J, QS-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	760	U	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	620		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	760	U	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	110		ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	760	U	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	390	U, J, QS-4	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	210	J, CLP01	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	390	U, J, QS-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	390	U, J, QS-4	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	760	U	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	760	U, J, QC-2	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
83-32-9	Acenaphthene	22		ug/kg dry	7.6	5/06/08	5/17/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	93		ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
98-86-2	Acetophenone	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KB0 A4

Sample ID: HG-Res-11

Lab ID: C081902-11

D No: 4KB0 SHEALY

Station ID: HG-RES-09

Matrix: Subsurface Soil

Date Collected: 4/29/08 15:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
120-12-7	Anthracene	150		ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
1912-24-9	Atrazine	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	390	U, J, QS-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	310	J, QS-3	ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
50-32-8	Benzo(a)pyrene	400		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	540		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	210	J, QS-3	ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	210	J, CLP01	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
105-60-2	Caprolactam	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
86-74-8	Carbazole	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
218-01-9	Chrysene	370	J, QS-3	ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
53-70-3	Dibenzo(a,h)anthracene	7.6	U, J, QS-3	ug/kg dry	7.6	5/06/08	5/20/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	390	U, J, QC-2	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
206-44-0	Fluoranthene	580		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
86-73-7	Fluorene	14		ug/kg dry	7.6	5/06/08	5/17/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	390	U, J, QS-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	390	U, J, QS-4	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	260	J, QS-3	ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
78-59-1	Isophorone	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
91-20-3	Naphthalene	57		ug/kg dry	7.6	5/06/08	5/17/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-11

Lab ID: C081902-11

MD No: 4KB0 A4

Station ID: HG-RES-09

Matrix: Subsurface Soil

D No: 4KB0 SHEALY

Date Collected: 4/29/08 15:35

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	390	U	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	760	U, J, QS-3	ug/kg dry	760	5/06/08	5/17/08	CLP SOM01.2 B
85-01-8	Phenanthrene	330		ug/kg dry	38	5/06/08	5/20/08	CLP SOM01.2 BS
108-95-2	Phenol	390	U, J, QS-3	ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
129-00-0	Pyrene	590		ug/kg dry	390	5/06/08	5/17/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
R4-0000	Tentatively Identified Compounds	400	U	ug/kg dry	400	5/06/08	5/17/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-27

Lab ID: C081902-12

MD No: 4KC8 A4

Station ID: HG-RES-27

Matrix: Subsurface Soil

D No: 4KC8 SHEALY

Date Collected: 4/30/08 14:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	10		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	730	U, J, QC-1	ug/kg dry	730	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	730	U	ug/kg dry	730	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	42		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	730	U	ug/kg dry	730	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	730	U	ug/kg dry	730	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	380	U, J, QC-1	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	730	U	ug/kg dry	730	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	730	U	ug/kg dry	730	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	18	U	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	170		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
98-86-2	Acetophenone	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	160		ug/kg dry	90	5/08/08	5/25/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KC8 A4

D No: 4KC8 SHEALY

Sample ID: HG-Res-27

Lab ID: C081902-12

Station ID: HG-RES-27

Matrix: Subsurface Soil

Date Collected: 4/30/08 14:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	1400		ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	1300		ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	2600		ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	1200		ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	940		ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	75	J, CLP01, QC-1	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	1500		ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	18	U	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	2300	J, QC-1	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
86-73-7	Fluorene	34		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	380	U, J, QC-1	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	1200		ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	39		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-27

Lab ID: C081902-12

MD No: 4KC8 A4

Station ID: HG-RES-27

Matrix: Subsurface Soil

D No: 4KC8 SHEALY

Date Collected: 4/30/08 14:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	37	U	ug/kg dry	37	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	760		ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	380	U	ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	2500		ug/kg dry	380	5/08/08	5/21/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
198-55-0	Perylene	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-28

Lab ID: C081902-13

MD No: 4KC9 A4

Station ID: HG-RES-28

Matrix: Subsurface Soil

D No: 4KC9 SHEALY

Date Collected: 4/30/08 14:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	9700	U, J, QC-1	ug/kg dry	9700	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	9700	U	ug/kg dry	9700	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	95		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	9700	U	ug/kg dry	9700	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	9700	U	ug/kg dry	9700	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	530	J, CLP01, QC-1	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	9700	U	ug/kg dry	9700	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	9700	U	ug/kg dry	9700	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	19	U	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	890		ug/kg dry	190	5/08/08	5/25/08	CLP SOM01.2 BS
98-86-2	Acetophenone	620	J, CLP01	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KC9 A4

D No: 4KC9 SHEALY

Sample ID: HG-Res-28

Lab ID: C081902-13

Station ID: HG-RES-28

Matrix: Subsurface Soil

Date Collected: 4/30/08 14:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
120-12-7	Anthracene	1100		ug/kg dry	190	5/08/08	5/25/08	CLP SOM01.2 BS
1912-24-9	Atrazine	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	23000		ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	6600		ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	64000		ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	18000		ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	26000		ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	1200	J, CLP01, QC-1	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	35000		ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	190	U	ug/kg dry	190	5/08/08	5/25/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	17000	J, QC-1	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
86-73-7	Fluorene	190	U	ug/kg dry	190	5/08/08	5/25/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5000	U, J, QC-1	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	26000		ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-28

Lab ID: C081902-13

MD No: 4KC9 A4

Station ID: HG-RES-28

Matrix: Subsurface Soil

D No: 4KC9 SHEALY

Date Collected: 4/30/08 14:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-20-3	Naphthalene	160		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	39	U	ug/kg dry	39	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	4900	J, CLP01	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	5000	U	ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	17000		ug/kg dry	5000	5/08/08	5/21/08	CLP SOM01.2 B
Tentatively Identified Compounds:								
694-87-1	Bicyclo[4.2.0]octa-1,3,5-triene	10000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
112-95-8	Eicosane	6000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
629-78-7	Heptadecane	6000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	20000	J, CLP15	ug/kg dry	20000	5/08/08	5/21/08	CLP SOM01.2 B



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 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-32

Lab ID: C081902-14

MD No: 4KD0 A4

Station ID: HG-RES-32

Matrix: Subsurface Soil

D No: 4KD0 SHEALY

Date Collected: 4/30/08 14:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	10		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1800	U, J, QC-1	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	1300		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	100		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	940	U, J, QC-1	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	100		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	1000		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
98-86-2	Acetophenone	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	1200		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B



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Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KD0 A4

Sample ID: HG-Res-32

Lab ID: C081902-14

D No: 4KD0 SHEALY

Station ID: HG-RES-32

Matrix: Subsurface Soil

Date Collected: 4/30/08 14:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	9400		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	9100		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	13000		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5600		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	3900		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	440	J, QC-1	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	7700		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	18	U	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	190	J, CLP01	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	14000	J, QC-1	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
86-73-7	Fluorene	330		ug/kg dry	90	5/08/08	5/25/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	940	U, J, QC-1	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	6000		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	180		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B





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 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-32

Lab ID: C081902-14

MD No: 4KD0 A4

Station ID: HG-RES-32

Matrix: Subsurface Soil

D No: 4KD0 SHEALY

Date Collected: 4/30/08 14:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
621-64-7	n-Nitroso di-n-Propylamine	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	130	J, CLP01	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	20	J, CLP01	ug/kg dry	37	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	5400		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	14000		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
781-43-1	9,10-Dimethylanthracene	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
613-12-7	Anthracene, 2-methyl-	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
5737-13-3	Cyclopenta(def)phenanthrenone	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	4000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
832-69-9	Phenanthrene, 1-methyl-	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	4000	J, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B



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D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-20

Lab ID: C081902-15

MD No: 4KD1 A4

Station ID: HG-RES-20

Matrix: Subsurface Soil

D No: 4KD1 SHEALY

Date Collected: 5/1/08 9:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	9800	U, J, QC-1	ug/kg dry	9800	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	9800	U	ug/kg dry	9800	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	920		ug/kg dry	200	5/08/08	5/25/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	9800	U	ug/kg dry	9800	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	9800	U	ug/kg dry	9800	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	5100	U, J, QC-1	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	9800	U	ug/kg dry	9800	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	9800	U	ug/kg dry	9800	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	810		ug/kg dry	200	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	9100		ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
98-86-2	Acetophenone	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	14000		ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-20

Lab ID: C081902-15

MD No: 4KD1 A4

Station ID: HG-RES-20

Matrix: Subsurface Soil

D No: 4KD1 SHEALY

Date Collected: 5/1/08 9:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	39000		ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	39000		ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	49000		ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	20000		ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	17000		ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	5700		ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	36000		ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	20	U	ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	4100	J, CLP01	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	88000		ug/kg dry	10000	5/08/08	5/22/08	CLP SOM01.2 B
86-73-7	Fluorene	6400		ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	5100	U, J, QC-1	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	23000		ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	1600		ug/kg dry	200	5/08/08	5/25/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-20

Lab ID: C081902-15

MD No: 4KD1 A4

Station ID: HG-RES-20

Matrix: Subsurface Soil

D No: 4KD1 SHEALY

Date Collected: 5/1/08 9:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
621-64-7	n-Nitroso di-n-Propylamine	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	40	U	ug/kg dry	40	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	65000		ug/kg dry	10000	5/08/08	5/22/08	CLP SOM01.2 B
108-95-2	Phenol	5100	U	ug/kg dry	5100	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	81000		ug/kg dry	10000	5/08/08	5/22/08	CLP SOM01.2 B
Tentatively Identified Compounds:								
35465-71-5	2-Phenylnaphthalene	6000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
203-64-5	4H-Cyclopenta[def]phenanthrene	20000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
610-48-0	Anthracene, 1-methyl-	7000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	10000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
5737-13-3	Cyclopenta(def)phenanthrenone	5000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	10000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
2531-84-2	Phenanthrene, 2-methyl-	9000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	20000	J, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B



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D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KD2 A4

Sample ID: HG-Res-31

Lab ID: C081902-16

D No: 4KD2 SHEALY

Station ID: HG-RES-31

Matrix: Subsurface Soil

Date Collected: 5/1/08 10:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	7.0		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	150	J, CLP01	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	540		ug/kg dry	88	5/08/08	5/25/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	910	U, J, QC-1	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	480	J, CLP01	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
208-96-8	Acenaphthylene	4800		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
98-86-2	Acetophenone	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	7000		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B





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Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-31

Lab ID: C081902-16

MD No: 4KD2 A4

Station ID: HG-RES-31

Matrix: Subsurface Soil

D No: 4KD2 SHEALY

Date Collected: 5/1/08 10:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	28000		ug/kg dry	9100	5/08/08	5/22/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	29000		ug/kg dry	9100	5/08/08	5/22/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	35000		ug/kg dry	9100	5/08/08	5/22/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	14000		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	12000		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	1500	J, QC-1	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	25000		ug/kg dry	9100	5/08/08	5/22/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	88	U	ug/kg dry	88	5/08/08	5/25/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	1300		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	910	U, J	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	55000		ug/kg dry	9100	5/08/08	5/22/08	CLP SOM01.2 B
86-73-7	Fluorene	1900		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	910	U, J, QC-1	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	2300		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	1100		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
98-95-3	Nitrobenzene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-31

Lab ID: C081902-16

MD No: 4KD2 A4

Station ID: HG-RES-31

Matrix: Subsurface Soil

D No: 4KD2 SHEALY

Date Collected: 5/1/08 10:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
621-64-7	n-Nitroso di-n-Propylamine	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	36	U, J, QC-2	ug/kg dry	36	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	30000		ug/kg dry	9100	5/08/08	5/22/08	CLP SOM01.2 B
108-95-2	Phenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	59000		ug/kg dry	9100	5/08/08	5/22/08	CLP SOM01.2 B
Tentatively Identified Compounds:								
486-25-9	9H-Fluoren-9-one	4000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
610-48-0	Anthracene, 1-methyl-	3000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	8000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
5737-13-3	Cyclopenta(def)phenanthrenone	4000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
33543-31-6	Fluoranthene, 2-methyl-	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
612-94-2	Naphthalene, 2-phenyl-	3000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	20000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
832-69-9	Phenanthrene, 1-methyl-	5000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
3674-66-6	Phenanthrene, 2,5-dimethyl-	4000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
2531-84-2	Phenanthrene, 2-methyl-	5000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	70000	J, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KD3 A4

Sample ID: HG-Res-32

Lab ID: C081902-17

D No: 4KD3 SHEALY

Station ID: HG-RES-32

Matrix: Subsurface Soil

Date Collected: 5/1/08 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	13		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	100		ug/kg dry	94	5/08/08	5/25/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	970	U, J, QC-1	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	370		ug/kg dry	94	5/08/08	5/25/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	1300		ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
98-86-2	Acetophenone	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	2700		ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-32

Lab ID: C081902-17

MD No: 4KD3 A4

Station ID: HG-RES-32

Matrix: Subsurface Soil

D No: 4KD3 SHEALY

Date Collected: 5/1/08 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	10000		ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	11000		ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	14000		ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	6300		ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	6000		ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	780	J, CLP01, QC-1	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	10000		ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	94	U	ug/kg dry	94	5/08/08	5/24/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	320	J, CLP01	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	25000		ug/kg dry	3900	5/08/08	5/22/08	CLP SOM01.2 B
86-73-7	Fluorene	520		ug/kg dry	94	5/08/08	5/25/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	970	U, J, QC-1	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	6400		ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	230		ug/kg dry	94	5/08/08	5/25/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

**Project: 08-0457, Huntsville Gas Company**

**Contract Lab Case: 37420**

**Sample ID: HG-Res-32**

**Lab ID: C081902-17**

**MD No: 4KD3 A4**

**Station ID: HG-RES-32**

**Matrix: Subsurface Soil**

**D No: 4KD3 SHEALY**

**Date Collected: 5/1/08 10:00**

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	38	U, J, QC-2	ug/kg dry	38	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	13000		ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	970	U	ug/kg dry	970	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	24000		ug/kg dry	3900	5/08/08	5/22/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
479-79-8	11H-Benzo[a]fluoren-11-one	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
203-64-5	4H-Cyclopenta[def]phenanthrene	5000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
486-25-9	9H-Fluoren-9-one	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	5000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
5737-13-3	Cyclopenta(def)phenanthrenone	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
612-94-2	Naphthalene, 2-phenyl-	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
112-66-3	n-Dodecyl acetate	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
131-57-7	Oxybenzone	3000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	4000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
832-69-9	Phenanthrene, 1-methyl-	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
2531-84-2	Phenanthrene, 2-methyl-	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	4000	J, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B





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 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-33

Lab ID: C081902-18

MD No: 4KD4 A4

Station ID: HG-RES-33

Matrix: Subsurface Soil

D No: 4KD4 SHEALY

Date Collected: 5/1/08 10:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	33	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	310	J, CLP01	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	990	U, J, QC-1	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	37	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	97	J, QS-3	ug/kg dry	94	5/08/08	5/24/08	CLP SOM01.2 BS
98-86-2	Acetophenone	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	220	J, QS-3	ug/kg dry	94	5/08/08	5/25/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-33

Lab ID: C081902-18

MD No: 4KD4 A4

Station ID: HG-RES-33

Matrix: Subsurface Soil

D No: 4KD4 SHEALY

Date Collected: 5/1/08 10:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	1500		ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	1800		ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	2200		ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	1200		ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	1000		ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	110	J, CLP01, QC-1	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	1500		ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	19	U	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	2000		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
86-73-7	Fluorene	49	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	990	U, J, QC-1	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	1200		ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	42	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS



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 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

**Project: 08-0457, Huntsville Gas Company**

**Contract Lab Case: 37420**

**Sample ID: HG-Res-33**

**Lab ID: C081902-18**

**MD No: 4KD4 A4**

**Station ID: HG-RES-33**

**Matrix: Subsurface Soil**

**D No: 4KD4 SHEALY**

**Date Collected: 5/1/08 10:15**

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	39	U, J, QC-2, QS-3	ug/kg dry	39	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	500	J, QS-3	ug/kg dry	94	5/08/08	5/25/08	CLP SOM01.2 BS
108-95-2	Phenol	990	U	ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	2700		ug/kg dry	990	5/08/08	5/21/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
198-55-0	Perylene	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B



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980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-34

Lab ID: C081902-19

MD No: 4KD5 A4

Station ID: HG-RES-34

Matrix: Subsurface Soil

D No: 4KD5 SHEALY

Date Collected: 5/1/08 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	15		%		5/08/08	5/22/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	770	U	ug/kg dry	770	5/08/08	5/22/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	770	U	ug/kg dry	770	5/08/08	5/22/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	21	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	770	U	ug/kg dry	770	5/08/08	5/22/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	770	U	ug/kg dry	770	5/08/08	5/22/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	770	U	ug/kg dry	770	5/08/08	5/22/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	770	U	ug/kg dry	770	5/08/08	5/22/08	CLP SOM01.2 B
83-32-9	Acenaphthene	80	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	74	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
98-86-2	Acetophenone	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
120-12-7	Anthracene	120	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-34Lab ID: C081902-19

MD No: 4KD5 A4

D No: 4KD5 SHEALY

Station ID: HG-RES-34

Matrix: Subsurface Soil

Date Collected: 5/1/08 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	450		ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	420		ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	550		ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	190		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	170		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
105-60-2	Caprolactam	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
86-74-8	Carbazole	76	J, CLP01	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
218-01-9	Chrysene	430		ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	19	U	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	46	J, CLP01	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
206-44-0	Fluoranthene	920		ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
86-73-7	Fluorene	53	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	400	U, J, QC-1	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	160		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
78-59-1	Isophorone	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
91-20-3	Naphthalene	27	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-34

Lab ID: C081902-19

MD No: 4KD5 A4

Station ID: HG-RES-34

Matrix: Subsurface Soil

D No: 4KD5 SHEALY

Date Collected: 5/1/08 11:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	39	U, J, QC-2, QS-3	ug/kg dry	39	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	720		ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
108-95-2	Phenol	400	U	ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
129-00-0	Pyrene	990		ug/kg dry	400	5/08/08	5/22/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
53-19-0	Mitotane	700	NJ, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KD6 A4

D No: 4KD6 SHEALY

Sample ID: HG-Res-35

Lab ID: C081902-20

Station ID: HG-RES-35

Matrix: Subsurface Soil

Date Collected: 5/1/08 11:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	14		%		5/08/08	5/23/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	750	U	ug/kg dry	750	5/08/08	5/23/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	750	U	ug/kg dry	750	5/08/08	5/23/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	3.7	J, CLP01, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	750	U	ug/kg dry	750	5/08/08	5/23/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	750	U	ug/kg dry	750	5/08/08	5/23/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	750	U	ug/kg dry	750	5/08/08	5/23/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	750	U	ug/kg dry	750	5/08/08	5/23/08	CLP SOM01.2 B
83-32-9	Acenaphthene	19	U, J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	87	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
98-86-2	Acetophenone	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
120-12-7	Anthracene	40	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-35

Lab ID: C081902-20

MD No: 4KD6 A4

Station ID: HG-RES-35

Matrix: Subsurface Soil

D No: 4KD6 SHEALY

Date Collected: 5/1/08 11:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	130		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
50-32-8	Benzo(a)pyrene	130		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
205-99-2	Benzo(b)fluoranthene	150		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
191-24-2	Benzo(g,h,i)perylene	100		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	97		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
105-60-2	Caprolactam	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
86-74-8	Carbazole	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
218-01-9	Chrysene	150		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
53-70-3	Dibenzo(a,h)anthracene	19	U	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
206-44-0	Fluoranthene	410	J, QS-5	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
86-73-7	Fluorene	17	J, CLP01, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	390	U, J, QC-1	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	100		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
78-59-1	Isophorone	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
91-20-3	Naphthalene	5.1	J, CLP01, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-35

Lab ID: C081902-20

MD No: 4KD6 A4

Station ID: HG-RES-35

Matrix: Subsurface Soil

D No: 4KD6 SHEALY

Date Collected: 5/1/08 11:35

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	38	U, J, QC-2, QS-3	ug/kg dry	38	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	160	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
108-95-2	Phenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
129-00-0	Pyrene	540	J, QS-5	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
R4-0000	Tentatively Identified Compounds	400	U	ug/kg dry	400	5/08/08	5/23/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KD7 A4

Sample ID: HG-Res-36

Lab ID: C081902-21

D No: 4KD7 SHEALY

Station ID: HG-RES-36

Matrix: Subsurface Soil

Date Collected: 5/1/08 12:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	10		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	140	J, QS-3	ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	930	U, J, QC-1	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	210	J, QS-3	ug/kg dry	90	5/08/08	5/25/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	1700		ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
98-86-2	Acetophenone	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	2900		ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-36

Lab ID: C081902-21

MD No: 4KD7 A4

Station ID: HG-RES-36

Matrix: Subsurface Soil

D No: 4KD7 SHEALY

Date Collected: 5/1/08 12:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	12000		ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	7000		ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	14000		ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5600		ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5500		ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	420	J, CLP01, QC-1	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	9700		ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	620		ug/kg dry	90	5/08/08	5/25/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	440	J, CLP01	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	32000		ug/kg dry	4700	5/08/08	5/22/08	CLP SOM01.2 B
86-73-7	Fluorene	850	J, QS-3	ug/kg dry	90	5/08/08	5/25/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	930	U, J, QC-1	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5800		ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	260	J, QS-3	ug/kg dry	90	5/08/08	5/25/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-36

Lab ID: C081902-21

MD No: 4KD7 A4

Station ID: HG-RES-36

Matrix: Subsurface Soil

D No: 4KD7 SHEALY

Date Collected: 5/1/08 12:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-95-3	Nitrobenzene	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	37	U, J, QC-2, QS-3	ug/kg dry	37	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	11000		ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	930	U	ug/kg dry	930	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	34000		ug/kg dry	4700	5/08/08	5/22/08	CLP SOM01.2 B
Tentatively Identified Compounds:								
81-84-5	1,8-Naphthalic anhydride	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
203-64-5	4H-Cyclopenta[def]phenanthrene	4000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
781-43-1	9,10-Dimethylanthracene	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
610-48-0	Anthracene, 1-methyl-	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	20000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
5737-13-3	Cyclopenta(def)phenanthrenone	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
544-76-3	Hexadecane	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
612-94-2	Naphthalene, 2-phenyl-	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	4000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
832-69-9	Phenanthrene, 1-methyl-	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	6000	J, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-22

Lab ID: C081902-22

MD No: 4KC3 A4

Station ID: HG-RES-22

Matrix: Subsurface Soil

D No: 4KC3 SHEALY

Date Collected: 4/30/08 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	9.0		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	720	U, J, QC-1	ug/kg dry	720	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	720	U	ug/kg dry	720	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	18	J, CLP01	ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	720	U	ug/kg dry	720	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	720	U	ug/kg dry	720	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	370	U, J, QC-1	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	720	U	ug/kg dry	720	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	720	U	ug/kg dry	720	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	15	J, CLP01	ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	120		ug/kg dry	36	5/08/08	5/25/08	CLP SOM01.2 BS
98-86-2	Acetophenone	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	150		ug/kg dry	36	5/08/08	5/25/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-22

Lab ID: C081902-22

MD No: 4KC3 A4

Station ID: HG-RES-22

D No: 4KC3 SHEALY

Matrix: Subsurface Soil

Date Collected: 4/30/08 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	1300		ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	1400		ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	2100		ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	1100		ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	800		ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	100	J, CLP01, QC-1	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	1300		ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	18	U	ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	2500	J, QC-1	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
86-73-7	Fluorene	48		ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	370	U, J, QC-1	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	1000		ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	30		ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-22

Lab ID: C081902-22

MD No: 4KC3 A4

Station ID: HG-RES-22

Matrix: Subsurface Soil

D No: 4KC3 SHEALY

Date Collected: 4/30/08 11:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	37	U, J, QC-2	ug/kg dry	37	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	970		ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	370	U	ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	2500		ug/kg dry	370	5/08/08	5/21/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
198-55-0	Perylene	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-23

Lab ID: C081902-23

MD No: 4KC4 A4

Station ID: HG-RES-22

Matrix: Subsurface Soil

D No: 4KC4 SHEALY

Date Collected: 4/30/08 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	12		%		5/08/08	5/20/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	730	U	ug/kg dry	730	5/08/08	5/20/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	730	U	ug/kg dry	730	5/08/08	5/20/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	16	J, CLP01	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	730	U	ug/kg dry	730	5/08/08	5/20/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	730	U	ug/kg dry	730	5/08/08	5/20/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	730	U	ug/kg dry	730	5/08/08	5/20/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	730	U	ug/kg dry	730	5/08/08	5/20/08	CLP SOM01.2 B
83-32-9	Acenaphthene	18	U	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	90		ug/kg dry	36	5/08/08	5/25/08	CLP SOM01.2 BS
98-86-2	Acetophenone	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
120-12-7	Anthracene	100		ug/kg dry	36	5/08/08	5/25/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-23

Lab ID: C081902-23

MD No: 4KC4 A4

Station ID: HG-RES-22

Matrix: Subsurface Soil

D No: 4KC4 SHEALY

Date Collected: 4/30/08 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	970		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	1000		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	1700		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	800		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	610		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
105-60-2	Caprolactam	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
86-74-8	Carbazole	70	J, CLP01	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
218-01-9	Chrysene	1000		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	18	U	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	380	U, J, QC-1	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
206-44-0	Fluoranthene	1300		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
86-73-7	Fluorene	31		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	840		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
78-59-1	Isophorone	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
91-20-3	Naphthalene	21		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B



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Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-23

Lab ID: C081902-23

MD No: 4KC4 A4

Station ID: HG-RES-22

Matrix: Subsurface Soil

D No: 4KC4 SHEALY

Date Collected: 4/30/08 11:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	37	U	ug/kg dry	37	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	630		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
108-95-2	Phenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
129-00-0	Pyrene	1700		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
198-55-0	Perylene	800	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-24

Lab ID: C081902-24

MD No: 4KC5 A4

Station ID: HG-RES-24

Matrix: Subsurface Soil

D No: 4KC5 SHEALY

Date Collected: 4/30/08 14:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	9.0		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	100	J, CLP01	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1800	U, J, QC-1	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	300		ug/kg dry	180	5/08/08	5/25/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	920	U, J, QC-1	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	170		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	630		ug/kg dry	180	5/08/08	5/25/08	CLP SOM01.2 BS
98-86-2	Acetophenone	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	1600		ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-24

Lab ID: C081902-24

MD No: 4KC5 A4

Station ID: HG-RES-24

Matrix: Subsurface Soil

D No: 4KC5 SHEALY

Date Collected: 4/30/08 14:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	6300		ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	6100		ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	8600		ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	2800		ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	11000		ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	360	J, CLP01, QC-1	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	6200		ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	18	U	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	260	J, CLP01	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	12000	J, QC-1	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
86-73-7	Fluorene	550		ug/kg dry	180	5/08/08	5/25/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	920	U, J, QC-1	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	3300		ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	560		ug/kg dry	180	5/08/08	5/25/08	CLP SOM01.2 BS





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-24

Lab ID: C081902-24

MD No: 4KC5 A4

Station ID: HG-RES-24

Matrix: Subsurface Soil

D No: 4KC5 SHEALY

Date Collected: 4/30/08 14:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	36	U	ug/kg dry	36	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	7400		ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	920	U	ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	13000		ug/kg dry	920	5/08/08	5/21/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
610-48-0	Anthracene, 1-methyl-	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
613-12-7	Anthracene, 2-methyl-	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	6000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	6000	J, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B



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D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-25

Lab ID: C081902-25

MD No: 4KC6 A4

Station ID: HG-RES-25

Matrix: Subsurface Soil

D No: 4KC6 SHEALY

Date Collected: 4/30/08 13:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	7.0		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1800	U, J, QC-1	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	110		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	910	U, J, QC-1	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	200		ug/kg dry	90	5/08/08	5/26/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	430		ug/kg dry	90	5/08/08	5/26/08	CLP SOM01.2 BS
98-86-2	Acetophenone	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	1400		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-25

Lab ID: C081902-25

MD No: 4KC6 A4

Station ID: HG-RES-25

Matrix: Subsurface Soil

D No: 4KC6 SHEALY

Date Collected: 4/30/08 13:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	9200		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	7900		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	14000		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5800		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	5400		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	530	J, CLP01, QC-1	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	8900		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	18	U	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	300	J, CLP01	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	17000		ug/kg dry	4600	5/08/08	5/22/08	CLP SOM01.2 B
86-73-7	Fluorene	340		ug/kg dry	90	5/08/08	5/26/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	910	U, J, QC-1	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5900		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	120		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

**Project: 08-0457, Huntsville Gas Company**

**Contract Lab Case: 37420**

**Sample ID: HG-Res-25**

**Lab ID: C081902-25**

**MD No: 4KC6 A4**

**Station ID: HG-RES-25**

**Matrix: Subsurface Soil**

**D No: 4KC6 SHEALY**

**Date Collected: 4/30/08 13:50**

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	36	U	ug/kg dry	36	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	6400		ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	910	U	ug/kg dry	910	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	18000		ug/kg dry	4600	5/08/08	5/22/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
81-84-5	1,8-Naphthalic anhydride	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
486-25-9	9H-Fluoren-9-one	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
613-12-7	Anthracene, 2-methyl-	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
230-17-1	Benzo[c]cinnoline	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
5737-13-3	Cyclopenta(def)phenanthrenone	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
612-94-2	Naphthalene, 2-phenyl-	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	3000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
832-69-9	Phenanthrene, 1-methyl-	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
3674-66-6	Phenanthrene, 2,5-dimethyl-	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
2531-84-2	Phenanthrene, 2-methyl-	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
217-59-4	Triphenylene	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	20000	J, CLP15	ug/kg dry	20000	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-26

Lab ID: C081902-26

MD No: 4KC7 A4

Station ID: HG-RES-26

Matrix: Subsurface Soil

D No: 4KC7 SHEALY

Date Collected: 4/30/08 13:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	12		%		5/08/08	5/20/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/20/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/20/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	50		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/20/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/20/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/20/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/20/08	CLP SOM01.2 B
83-32-9	Acenaphthene	18	U	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	140	J, QC-1	ug/kg dry	90	5/08/08	5/26/08	CLP SOM01.2 BS
98-86-2	Acetophenone	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
120-12-7	Anthracene	220		ug/kg dry	90	5/08/08	5/26/08	CLP SOM01.2 BS





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KC7 A4

Sample ID: HG-Res-26

Lab ID: C081902-26

D No: 4KC7 SHEALY

Station ID: HG-RES-26

Matrix: Subsurface Soil

Date Collected: 4/30/08 13:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	1600		ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	1800		ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	2600		ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	1400		ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	940		ug/kg dry	180	5/08/08	5/25/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
105-60-2	Caprolactam	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
86-74-8	Carbazole	150	J, CLP01	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
218-01-9	Chrysene	1700		ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	18	U	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	950	U, J, QC-1	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
206-44-0	Fluoranthene	2900	J, QC-1	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
86-73-7	Fluorene	62		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	1300		ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
78-59-1	Isophorone	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
91-20-3	Naphthalene	57		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-26

Lab ID: C081902-26

MD No: 4KC7 A4

Station ID: HG-RES-26

Matrix: Subsurface Soil

D No: 4KC7 SHEALY

Date Collected: 4/30/08 13:35

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	38	U	ug/kg dry	38	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	1300		ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
108-95-2	Phenol	950	U	ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
129-00-0	Pyrene	2600		ug/kg dry	950	5/08/08	5/20/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
60-57-1	Dieldrin	3000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	1000	J, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B



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980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-DS-01

Lab ID: C081902-27

MD No: 4KB1 A4

Station ID: HG-RES-00

Matrix: Subsurface Soil

D No: 4KB1 SHEALY

Date Collected: 5/1/08 15:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	17		%		5/08/08	5/20/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/20/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/20/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	190		ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/20/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/20/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/20/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/20/08	CLP SOM01.2 B
83-32-9	Acenaphthene	170		ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	1800		ug/kg dry	190	5/08/08	5/24/08	CLP SOM01.2 BS
98-86-2	Acetophenone	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
120-12-7	Anthracene	1100		ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-DS-01

Lab ID: C081902-27

MD No: 4KB1 A4

Station ID: HG-RES-00

Matrix: Subsurface Soil

D No: 4KB1 SHEALY

Date Collected: 5/1/08 15:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	4300		ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	4200		ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	7900		ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	1300		ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	2600		ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
105-60-2	Caprolactam	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
86-74-8	Carbazole	540	J, CLP01	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
218-01-9	Chrysene	4700		ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	19	U	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	370	J, CLP01	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	1000	U, J, QC-1	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
206-44-0	Fluoranthene	10000	J, QC-1	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
86-73-7	Fluorene	740		ug/kg dry	190	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	3600		ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
78-59-1	Isophorone	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
91-20-3	Naphthalene	460		ug/kg dry	190	5/08/08	5/24/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B



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Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-DS-01

Lab ID: C081902-27

MD No: 4KB1 A4

Station ID: HG-RES-00

Matrix: Subsurface Soil

D No: 4KB1 SHEALY

Date Collected: 5/1/08 15:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	40	U	ug/kg dry	40	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	6000		ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
108-95-2	Phenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
129-00-0	Pyrene	8300		ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
203-64-5	4H-Cyclopenta[def]phenanthrene	1000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	1000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
198-55-0	Perylene	1000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B





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 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KB3 A4

Sample ID: HG-Res-12

Lab ID: C081902-28

D No: 4KB3 SHEALY

Station ID: HG-RES-12

Matrix: Subsurface Soil

Date Collected: 4/30/08 8:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	19		%		5/08/08	5/20/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	1000	U, J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	2000	U	ug/kg dry	2000	5/08/08	5/20/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	2000	U	ug/kg dry	2000	5/08/08	5/20/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	180		ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	2000	U	ug/kg dry	2000	5/08/08	5/20/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	1000	U, J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	2000	U	ug/kg dry	2000	5/08/08	5/20/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	1000	U, J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	1000	U, J, QS-4	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	1000	U, J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	2000	U	ug/kg dry	2000	5/08/08	5/20/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	2000	U	ug/kg dry	2000	5/08/08	5/20/08	CLP SOM01.2 B
83-32-9	Acenaphthene	150		ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	690		ug/kg dry	200	5/08/08	5/24/08	CLP SOM01.2 BS
98-86-2	Acetophenone	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
120-12-7	Anthracene	860		ug/kg dry	200	5/08/08	5/24/08	CLP SOM01.2 BS



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Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-12

Lab ID: C081902-28

MD No: 4KB3 A4

Station ID: HG-RES-12

Matrix: Subsurface Soil

D No: 4KB3 SHEALY

Date Collected: 4/30/08 8:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	1400	J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	1700	J, QC-1	ug/kg dry	200	5/08/08	5/24/08	CLP SOM01.2 BS
205-99-2	Benzo(b)fluoranthene	2100	J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	1500		ug/kg dry	200	5/08/08	5/24/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	1800	J, QC-2	ug/kg dry	200	5/08/08	5/24/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	1000	U, J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	1000	U, J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
105-60-2	Caprolactam	1000	U, J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
86-74-8	Carbazole	190	J, CLP01, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
218-01-9	Chrysene	1400	J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	20	U	ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	1000	U, J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	1000	U, J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	1000	U, J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	1000	U, J, QC-1, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	1000	U, J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
206-44-0	Fluoranthene	2300	J, QC-1, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
86-73-7	Fluorene	380		ug/kg dry	200	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	1000	U, J, QS-4	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	1100	J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
78-59-1	Isophorone	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
91-20-3	Naphthalene	130		ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS



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980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-12

Lab ID: C081902-28

MD No: 4KB3 A4

Station ID: HG-RES-12

Matrix: Subsurface Soil

D No: 4KB3 SHEALY

Date Collected: 4/30/08 8:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	41	U	ug/kg dry	41	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	1300		ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
108-95-2	Phenol	1000	U	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
129-00-0	Pyrene	2000	J, QS-3	ug/kg dry	1000	5/08/08	5/20/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
192-97-2	Benzo[e]pyrene	1000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B



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Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-13

Lab ID: C081902-29

MD No: 4KB4 A4

Station ID: HG-RES-13

Matrix: Subsurface Soil

D No: 4KB4 SHEALY

Date Collected: 4/30/08 9:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		5/08/08	5/20/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	780	U	ug/kg dry	780	5/08/08	5/20/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	780	U	ug/kg dry	780	5/08/08	5/20/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	52		ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	780	U	ug/kg dry	780	5/08/08	5/20/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	780	U	ug/kg dry	780	5/08/08	5/20/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	780	U	ug/kg dry	780	5/08/08	5/20/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	780	U	ug/kg dry	780	5/08/08	5/20/08	CLP SOM01.2 B
83-32-9	Acenaphthene	16		ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	75		ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS
98-86-2	Acetophenone	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
120-12-7	Anthracene	81	J, QC-2	ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-13

Lab ID: C081902-29

MD No: 4KB4 A4

Station ID: HG-RES-13

Matrix: Subsurface Soil

D No: 4KB4 SHEALY

Date Collected: 4/30/08 9:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	680		ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	780		ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	1100		ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	140		ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	470		ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
105-60-2	Caprolactam	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
86-74-8	Carbazole	55	J, CLP01	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
218-01-9	Chrysene	730		ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	20	U	ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	400	U, J, QC-1	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
206-44-0	Fluoranthene	1000	J, QC-1	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
86-73-7	Fluorene	19		ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	530		ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
78-59-1	Isophorone	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
91-20-3	Naphthalene	36		ug/kg dry	20	5/08/08	5/22/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-13

Lab ID: C081902-29

MD No: 4KB4 A4

Station ID: HG-RES-13

Matrix: Subsurface Soil

D No: 4KB4 SHEALY

Date Collected: 4/30/08 9:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	40	U	ug/kg dry	40	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	440		ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
108-95-2	Phenol	400	U	ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
129-00-0	Pyrene	980		ug/kg dry	400	5/08/08	5/20/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
629-97-0	Docosane	600	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
53-19-0	Mitotane	600	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
198-55-0	Perylene	600	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-14

Lab ID: C081902-30

MD No: 4KB5 A4

Station ID: HG-RES-14

Matrix: Subsurface Soil

D No: 4KB5 SHEALY

Date Collected: 4/30/08 8:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	11		%		5/08/08	5/20/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	740	U	ug/kg dry	740	5/08/08	5/20/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	740	U	ug/kg dry	740	5/08/08	5/20/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	57		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	740	U	ug/kg dry	740	5/08/08	5/20/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	740	U	ug/kg dry	740	5/08/08	5/20/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	740	U	ug/kg dry	740	5/08/08	5/20/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	740	U	ug/kg dry	740	5/08/08	5/20/08	CLP SOM01.2 B
83-32-9	Acenaphthene	15	J, CLP01	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	110		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
98-86-2	Acetophenone	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
120-12-7	Anthracene	100	J, QC-2	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-14Lab ID: C081902-30

MD No: 4KB5 A4

D No: 4KB5 SHEALY

Station ID: HG-RES-14

Matrix: Subsurface Soil

Date Collected: 4/30/08 8:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	1300		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	1300		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	1800		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	130		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	680		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
105-60-2	Caprolactam	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
86-74-8	Carbazole	120	J, CLP01	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
218-01-9	Chrysene	1300		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	18	U	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	65	J, CLP01	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	380	U, J, QC-1	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
206-44-0	Fluoranthene	2300	J, QC-1	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
86-73-7	Fluorene	29		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	810		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
78-59-1	Isophorone	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
91-20-3	Naphthalene	49		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-14

Lab ID: C081902-30

MD No: 4KB5 A4

Station ID: HG-RES-14

Matrix: Subsurface Soil

D No: 4KB5 SHEALY

Date Collected: 4/30/08 8:25

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	38	U	ug/kg dry	38	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	1000		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
108-95-2	Phenol	380	U	ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
129-00-0	Pyrene	2000		ug/kg dry	380	5/08/08	5/20/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
192-97-2	Benzo[e]pyrene	800	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
630-01-3	Hexacosane	500	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
198-55-0	Perylene	400	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
832-69-9	Phenanthrene, 1-methyl-	500	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
638-67-5	Tricosane	600	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
55045-11-9	Tridecane, 5-propyl-	400	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KB6 A4

Sample ID: HG-Res-15

Lab ID: C081902-31

D No: 4KB6 SHEALY

Station ID: HG-RES-15

Matrix: Subsurface Soil

Date Collected: 4/30/08 9:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	11		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	18000	U, J, QC-1	ug/kg dry	18000	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	18000	U	ug/kg dry	18000	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	250		ug/kg dry	36	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	18000	U	ug/kg dry	18000	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	18000	U	ug/kg dry	18000	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	9300	U, J, QC-1	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	18000	U	ug/kg dry	18000	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	18000	U	ug/kg dry	18000	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	36	U	ug/kg dry	36	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	1900		ug/kg dry	1400	5/08/08	5/25/08	CLP SOM01.2 BS
98-86-2	Acetophenone	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	6900		ug/kg dry	1400	5/08/08	5/25/08	CLP SOM01.2 BS





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-15

Lab ID: C081902-31

MD No: 4KB6 A4

Station ID: HG-RES-15

Matrix: Subsurface Soil

D No: 4KB6 SHEALY

Date Collected: 4/30/08 9:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	69000		ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	55000		ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	110000		ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	21000		ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	45000		ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	3800	J, CLP01, QC-1	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	68000		ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	36	U	ug/kg dry	36	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	1400	J, CLP01	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	150000	J, QC-1	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
86-73-7	Fluorene	1100		ug/kg dry	180	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	9300	U, J, QC-1	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	53000		ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	580		ug/kg dry	180	5/08/08	5/24/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-15

Lab ID: C081902-31

MD No: 4KB6 A4

Station ID: HG-RES-15

Matrix: Subsurface Soil

D No: 4KB6 SHEALY

Date Collected: 4/30/08 9:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-95-3	Nitrobenzene	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	73	U	ug/kg dry	73	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	51000		ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	130000		ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
Tentatively Identified Compounds:								
192-97-2	Benzo[e]pyrene	10000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
5737-13-3	Cyclopenta(def)phenanthrenone	10000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	20000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	10000	J, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-16

Lab ID: C081902-32

MD No: 4KB7 A4

Station ID: HG-RES-16

Matrix: Subsurface Soil

D No: 4KB7 SHEALY

Date Collected: 4/30/08 10:09

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	11		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1800	U, J, QC-1	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	68		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	940	U, J, QC-1	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	66		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	760	J, CLP01	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
98-86-2	Acetophenone	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	1300		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KB7 A4

D No: 4KB7 SHEALY

Sample ID: HG-Res-16

Lab ID: C081902-32

Station ID: HG-RES-16

Matrix: Subsurface Soil

Date Collected: 4/30/08 10:09

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	8200		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	8600		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	14000		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	3700		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	4800		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	410	J, CLP01, QC-1	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	8000		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	18	U	ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	200	J, CLP01	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	21000		ug/kg dry	1900	5/08/08	5/22/08	CLP SOM01.2 B
86-73-7	Fluorene	140		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	940	U, J, QC-1	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	6500		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	100		ug/kg dry	18	5/08/08	5/22/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-16

Lab ID: C081902-32

MD No: 4KB7 A4

Station ID: HG-RES-16

Matrix: Subsurface Soil

D No: 4KB7 SHEALY

Date Collected: 4/30/08 10:09

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-95-3	Nitrobenzene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	37	U	ug/kg dry	37	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	6000		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	15000		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
Tentatively Identified Compounds:								
81-84-5	1,8-Naphthalic anhydride	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
479-79-8	11H-Benzo[a]fluoren-11-one	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
238-84-6	11H-Benzo[a]fluorene	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
82-05-3	7H-Benz[de]anthracen-7-one	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
5737-13-3	Cyclopenta(def)phenanthrenone	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
112-95-8	Eicosane	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	3000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
832-69-9	Phenanthrene, 1-methyl-	2000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	6000	J, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KB8 A4

Sample ID: HG-Res-17

Lab ID: C081902-33

D No: 4KB8 SHEALY

Station ID: HG-RES-17

Matrix: Subsurface Soil

Date Collected: 4/30/08 9:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	12		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	110	J, CLP01	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1900	U, J, QC-1	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	200		ug/kg dry	190	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	960	U, J, QC-1	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	130		ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	780		ug/kg dry	190	5/08/08	5/24/08	CLP SOM01.2 BS
98-86-2	Acetophenone	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	1700		ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-17

Lab ID: C081902-33

MD No: 4KB8 A4

Station ID: HG-RES-17

Matrix: Subsurface Soil

D No: 4KB8 SHEALY

Date Collected: 4/30/08 9:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	4600		ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	4300		ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	5600		ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	2300		ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	2400		ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	500	J, CLP01, QC-1	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	4300		ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	19	U	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	470	J, CLP01	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	12000	J, QC-1	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
86-73-7	Fluorene	490		ug/kg dry	190	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	960	U, J, QC-1	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	2700		ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	620		ug/kg dry	190	5/08/08	5/24/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-17

Lab ID: C081902-33

MD No: 4KB8 A4

Station ID: HG-RES-17

Matrix: Subsurface Soil

D No: 4KB8 SHEALY

Date Collected: 4/30/08 9:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-95-3	Nitrobenzene	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	38	U	ug/kg dry	38	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	7500		ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	960	U	ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	11000		ug/kg dry	960	5/08/08	5/21/08	CLP SOM01.2 B
Tentatively Identified Compounds:								
192-97-2	Benzo[e]pyrene	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	4000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	3000	J, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-18

Lab ID: C081902-34

MD No: 4KB9 A4

Station ID: HG-RES-18

Matrix: Subsurface Soil

D No: 4KB9 SHEALY

Date Collected: 4/30/08 10:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	13		%		5/08/08	5/20/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	700	J, CLP01	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	9400	U	ug/kg dry	9400	5/08/08	5/20/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	9400	U	ug/kg dry	9400	5/08/08	5/20/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	1100		ug/kg dry	940	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	9400	U	ug/kg dry	9400	5/08/08	5/20/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	9400	U	ug/kg dry	9400	5/08/08	5/20/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	9400	U	ug/kg dry	9400	5/08/08	5/20/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	9400	U	ug/kg dry	9400	5/08/08	5/20/08	CLP SOM01.2 B
83-32-9	Acenaphthene	450		ug/kg dry	95	5/08/08	5/24/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	3400		ug/kg dry	950	5/08/08	5/24/08	CLP SOM01.2 BS
98-86-2	Acetophenone	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
120-12-7	Anthracene	8300		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-18

Lab ID: C081902-34

MD No: 4KB9 A4

Station ID: HG-RES-18

Matrix: Subsurface Soil

D No: 4KB9 SHEALY

Date Collected: 4/30/08 10:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	25000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	22000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	47000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	18000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	16000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
105-60-2	Caprolactam	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
86-74-8	Carbazole	3400	J, CLP01	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
218-01-9	Chrysene	27000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	19	U	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	2700	J, CLP01	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	4800	U, J, QC-1	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
206-44-0	Fluoranthene	64000	J, QC-1	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
86-73-7	Fluorene	1400		ug/kg dry	950	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	22000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
78-59-1	Isophorone	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
91-20-3	Naphthalene	6300		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
98-95-3	Nitrobenzene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-18

Lab ID: C081902-34

MD No: 4KB9 A4

Station ID: HG-RES-18

Matrix: Subsurface Soil

D No: 4KB9 SHEALY

Date Collected: 4/30/08 10:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	38	U, J, QC-2	ug/kg dry	38	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	37000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
108-95-2	Phenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
129-00-0	Pyrene	48000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
84-65-1	9,10-Anthracenedione	5000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
486-25-9	9H-Fluoren-9-one	6000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	5000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
5737-13-3	Cyclopenta(def)phenanthrenone	6000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
198-55-0	Perylene	10000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	20000	J, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-19

Lab ID: C081902-35

MD No: 4KC0 A4

Station ID: HG-RES-19

Matrix: Subsurface Soil

D No: 4KC0 SHEALY

Date Collected: 4/30/08 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	13		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	9300	U, J, QC-1	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	100		ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	4800	U, J, QC-1	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	9300	U	ug/kg dry	9300	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	100		ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	1900	J, CLP01	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
98-86-2	Acetophenone	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	1700		ug/kg dry	950	5/08/08	5/25/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KC0 A4

D No: 4KC0 SHEALY

Sample ID: HG-Res-19

Lab ID: C081902-35

Station ID: HG-RES-19

Matrix: Subsurface Soil

Date Collected: 4/30/08 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	25000		ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	22000		ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	40000		ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	16000		ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	14000		ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	1100	J, CLP01, QC-1	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	24000		ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	19	U	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	39000	J, QC-1	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
86-73-7	Fluorene	660		ug/kg dry	95	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	4800	U, J, QC-1	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	19000		ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	250		ug/kg dry	95	5/08/08	5/24/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-19

Lab ID: C081902-35

MD No: 4KC0 A4

Station ID: HG-RES-19

Matrix: Subsurface Soil

D No: 4KC0 SHEALY

Date Collected: 4/30/08 11:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	38	U	ug/kg dry	38	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	14000		ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	4800	U	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	40000	J, QS-5	ug/kg dry	4800	5/08/08	5/21/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
192-97-2	Benzo[e]pyrene	5000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	9000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	5000	J, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KC1 A4

D No: 4KC1 SHEALY

Sample ID: HG-Res-20

Lab ID: C081902-36

Station ID: HG-RES-20

Matrix: Subsurface Soil

Date Collected: 4/30/08 10:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	13		%		5/08/08	5/20/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	9300	U	ug/kg dry	9300	5/08/08	5/20/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	9300	U	ug/kg dry	9300	5/08/08	5/20/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	110		ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	9300	U	ug/kg dry	9300	5/08/08	5/20/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	9300	U	ug/kg dry	9300	5/08/08	5/20/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	9300	U	ug/kg dry	9300	5/08/08	5/20/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	9300	U	ug/kg dry	9300	5/08/08	5/20/08	CLP SOM01.2 B
83-32-9	Acenaphthene	19	U	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	4500	J, CLP01	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
98-86-2	Acetophenone	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
120-12-7	Anthracene	2700		ug/kg dry	950	5/08/08	5/24/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KC1 A4

Sample ID: HG-Res-20

Lab ID: C081902-36

D No: 4KC1 SHEALY

Station ID: HG-RES-20

Matrix: Subsurface Soil

Date Collected: 4/30/08 10:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	910	J, CLP01	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	33000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	34000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	52000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	21000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	21000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
105-60-2	Caprolactam	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
86-74-8	Carbazole	1100	J, CLP01	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
218-01-9	Chrysene	32000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	19	U	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	4800	U, J, QC-1	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
206-44-0	Fluoranthene	56000	J, QC-1	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
86-73-7	Fluorene	370		ug/kg dry	95	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	25000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
78-59-1	Isophorone	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
91-20-3	Naphthalene	200		ug/kg dry	95	5/08/08	5/24/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-20

Lab ID: C081902-36

MD No: 4KC1 A4

Station ID: HG-RES-20

Matrix: Subsurface Soil

D No: 4KC1 SHEALY

Date Collected: 4/30/08 10:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	38	U	ug/kg dry	38	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	12000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
108-95-2	Phenol	4800	U	ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
129-00-0	Pyrene	48000		ug/kg dry	4800	5/08/08	5/20/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
192-97-2	Benzo[e]pyrene	9000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
198-55-0	Perylene	10000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
832-69-9	Phenanthrene, 1-methyl-	6000	NJ, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	7000	J, CLP15	ug/kg dry		5/08/08	5/20/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-00

Lab ID: C081902-37

MD No: 4KB2 A4

Station ID: HG-RES-00

Matrix: Subsurface Soil

D No: 4KB2 SHEALY

Date Collected: 5/1/08 15:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	13		%		5/08/08	5/19/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	380	U	ug/kg dry	380	5/08/08	5/19/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	380	U	ug/kg dry	380	5/08/08	5/19/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	12	J, CLP01, QS-3	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	380	U	ug/kg dry	380	5/08/08	5/19/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	190	U, J, QC-1	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	380	U	ug/kg dry	380	5/08/08	5/19/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	380	U	ug/kg dry	380	5/08/08	5/19/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	380	U	ug/kg dry	380	5/08/08	5/19/08	CLP SOM01.2 B
83-32-9	Acenaphthene	19	J, QS-3	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	41	J, QS-3	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
98-86-2	Acetophenone	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
120-12-7	Anthracene	71	J, QC-2, QS-3	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-00

Lab ID: C081902-37

MD No: 4KB2 A4

Station ID: HG-RES-00

Matrix: Subsurface Soil

D No: 4KB2 SHEALY

Date Collected: 5/1/08 15:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	140	J, QC-1	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
50-32-8	Benzo(a)pyrene	190		ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	270		ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	84		ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	62	J, QC-2	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
105-60-2	Caprolactam	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
86-74-8	Carbazole	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
218-01-9	Chrysene	150	J, QC-2	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
53-70-3	Dibenzo(a,h)anthracene	19	U	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
206-44-0	Fluoranthene	280		ug/kg dry	95	5/08/08	5/25/08	CLP SOM01.2 BS
86-73-7	Fluorene	18	J, CLP01, QS-3	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	66		ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
78-59-1	Isophorone	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
91-20-3	Naphthalene	11	J, CLP01, QS-3	ug/kg dry	19	5/08/08	5/22/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-00

Lab ID: C081902-37

MD No: 4KB2 A4

Station ID: HG-RES-00

Matrix: Subsurface Soil

D No: 4KB2 SHEALY

Date Collected: 5/1/08 15:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	190	U, J, QM-1	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	38	U, J, QS-3	ug/kg dry	38	5/08/08	5/22/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	150	J, QS-3	ug/kg dry	95	5/08/08	5/25/08	CLP SOM01.2 BS
108-95-2	Phenol	190	U	ug/kg dry	190	5/08/08	5/19/08	CLP SOM01.2 B
129-00-0	Pyrene	220		ug/kg dry	95	5/08/08	5/25/08	CLP SOM01.2 BS
<b>Tentatively Identified Compounds:</b>								
112-79-8	9-Octadecenoic acid, (E)-	2000	NJ, CLP15	ug/kg dry		5/08/08	5/19/08	CLP SOM01.2 B
7225-64-1	Heptadecane, 9-octyl-	300	NJ, CLP15	ug/kg dry		5/08/08	5/19/08	CLP SOM01.2 B
630-06-8	Hexatriacontane	300	NJ, CLP15	ug/kg dry		5/08/08	5/19/08	CLP SOM01.2 B
57-10-3	n-Hexadecanoic acid	200	NJ, CLP15	ug/kg dry		5/08/08	5/19/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	700	J, CLP15	ug/kg dry		5/08/08	5/19/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KE5 A4

Sample ID: HG-Res-21

Lab ID: C081902-38

D No: 4KE5 SHEALY

Station ID: HG-RES-21

Matrix: Subsurface Soil

Date Collected: 4/30/08 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	11		%		5/08/08	5/23/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/23/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/23/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	20		ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/23/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/23/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/23/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/23/08	CLP SOM01.2 B
83-32-9	Acenaphthene	31		ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	210		ug/kg dry	90	5/08/08	5/25/08	CLP SOM01.2 BS
98-86-2	Acetophenone	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
120-12-7	Anthracene	460		ug/kg dry	90	5/08/08	5/25/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-21

Lab ID: C081902-38

MD No: 4KE5 A4

Station ID: HG-RES-21

Matrix: Subsurface Soil

D No: 4KE5 SHEALY

Date Collected: 4/30/08 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	2100	J, QS-5	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	2200		ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	3800		ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	1700		ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	1300		ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
105-60-2	Caprolactam	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
86-74-8	Carbazole	120	J, CLP01	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
218-01-9	Chrysene	2100	J, QS-5	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	190		ug/kg dry	90	5/08/08	5/25/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
206-44-0	Fluoranthene	3000	J, QS-5	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
86-73-7	Fluorene	58		ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	950	U, J, QC-1	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	1700		ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
78-59-1	Isophorone	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
91-20-3	Naphthalene	37		ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-21

Lab ID: C081902-38

MD No: 4KE5 A4

Station ID: HG-RES-21

Matrix: Subsurface Soil

D No: 4KE5 SHEALY

Date Collected: 4/30/08 11:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	37	U	ug/kg dry	37	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	1100		ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
108-95-2	Phenol	950	U	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
129-00-0	Pyrene	4300	J, QM-2, QS-5	ug/kg dry	950	5/08/08	5/23/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
192-97-2	Benzo[e]pyrene	2000	NJ, CLP15	ug/kg dry		5/08/08	5/23/08	CLP SOM01.2 B



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D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-37

Lab ID: C081902-39

MD No: 4KD8 A4

Station ID: HG-RES-37

Matrix: Subsurface Soil

D No: 4KD8 SHEALY

Date Collected: 5/1/08 12:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	14		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	130		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	980	U, J, QC-1	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	260		ug/kg dry	190	5/08/08	5/25/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	1100		ug/kg dry	190	5/08/08	5/25/08	CLP SOM01.2 BS
98-86-2	Acetophenone	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	1800		ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-37

Lab ID: C081902-39

MD No: 4KD8 A4

Station ID: HG-RES-37

Matrix: Subsurface Soil

D No: 4KD8 SHEALY

Date Collected: 5/1/08 12:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	10000		ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	8200		ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	19000		ug/kg dry	4900	5/08/08	5/23/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	7400		ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	6200		ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	640	J, CLP01, QC-1	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	9700		ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	880		ug/kg dry	190	5/08/08	5/25/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	280	J, CLP01	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	24000		ug/kg dry	4900	5/08/08	5/23/08	CLP SOM01.2 B
86-73-7	Fluorene	780		ug/kg dry	190	5/08/08	5/25/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	980	U, J, QC-1	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	6700		ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
78-59-1	Isophorone	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	180		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-37

Lab ID: C081902-39

MD No: 4KD8 A4

Station ID: HG-RES-37

Matrix: Subsurface Soil

D No: 4KD8 SHEALY

Date Collected: 5/1/08 12:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-95-3	Nitrobenzene	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	39	U, J, QC-2, QI-1	ug/kg dry	39	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	8000		ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	980	U	ug/kg dry	980	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	34000		ug/kg dry	4900	5/08/08	5/23/08	CLP SOM01.2 B
Tentatively Identified Compounds:								
203-64-5	4H-Cyclopenta[def]phenanthrene	3000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	3000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
5737-13-3	Cyclopenta(def)phenanthrenone	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
198-55-0	Perylene	5000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
832-69-9	Phenanthrene, 1-methyl-	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
2531-84-2	Phenanthrene, 2-methyl-	1000	NJ, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	20000	J, CLP15	ug/kg dry		5/08/08	5/21/08	CLP SOM01.2 B



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Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KD9 A4

Sample ID: HG-Res-38

Lab ID: C081902-40

D No: 4KD9 SHEALY

Station ID: HG-RES-38

Matrix: Subsurface Soil

Date Collected: 5/1/08 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	12		%		5/08/08	5/21/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	1300		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	26	J, QS-3	ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	940	U, J, QS-3	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	940	U, J, QC-1	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	940	U, J, QS-3	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1800	U	ug/kg dry	1800	5/08/08	5/21/08	CLP SOM01.2 B
83-32-9	Acenaphthene	72	J, QS-3	ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	130	J, QS-3	ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
98-86-2	Acetophenone	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
120-12-7	Anthracene	140	J, QS-3	ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KD9 A4

D No: 4KD9 SHEALY

Sample ID: HG-Res-38

Lab ID: C081902-40

Station ID: HG-RES-38

Matrix: Subsurface Soil

Date Collected: 5/1/08 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	1000		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	1100	J, QS-3	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	1400	J, QS-3	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	330		ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	300		ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
105-60-2	Caprolactam	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
86-74-8	Carbazole	100	J, CLP01, QC-1, QS-3	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
218-01-9	Chrysene	1100		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	18	U	ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	940	U, J, QS-3	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
206-44-0	Fluoranthene	1700	J, QC-1	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
86-73-7	Fluorene	57	J, QS-3	ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	940	U, J, QC-1	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	350		ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS
78-59-1	Isophorone	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
91-20-3	Naphthalene	55	J, QS-3	ug/kg dry	18	5/08/08	5/24/08	CLP SOM01.2 BS





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-38

Lab ID: C081902-40

MD No: 4KD9 A4

Station ID: HG-RES-38

Matrix: Subsurface Soil

D No: 4KD9 SHEALY

Date Collected: 5/1/08 11:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
98-95-3	Nitrobenzene	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
621-64-7	n-Nitroso di-n-Propylamine	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	37	U, J, QC-2, QS-3	ug/kg dry	37	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	1000		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
108-95-2	Phenol	940	U	ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
129-00-0	Pyrene	1900		ug/kg dry	940	5/08/08	5/21/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
R4-0000	Tentatively Identified Compounds	900	U	ug/kg dry	900	5/08/08	5/21/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-39

Lab ID: C081902-41

MD No: 4KE0 A4

Station ID: HG-RES-39

Matrix: Subsurface Soil

D No: 4KE0 SHEALY

Date Collected: 5/1/08 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	14		%		5/08/08	5/23/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	760	U	ug/kg dry	760	5/08/08	5/23/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	760	U	ug/kg dry	760	5/08/08	5/23/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	9.4	J, CLP01, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	760	U	ug/kg dry	760	5/08/08	5/23/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	760	U	ug/kg dry	760	5/08/08	5/23/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	760	U	ug/kg dry	760	5/08/08	5/23/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	760	U	ug/kg dry	760	5/08/08	5/23/08	CLP SOM01.2 B
83-32-9	Acenaphthene	19	U, J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	21	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
98-86-2	Acetophenone	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
120-12-7	Anthracene	13	J, CLP01, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-39

Lab ID: C081902-41

MD No: 4KE0 A4

Station ID: HG-RES-39

Matrix: Subsurface Soil

D No: 4KE0 SHEALY

Date Collected: 5/1/08 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	51		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
50-32-8	Benzo(a)pyrene	49		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
205-99-2	Benzo(b)fluoranthene	74		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
191-24-2	Benzo(g,h,i)perylene	64		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
207-08-9	Benzo(k)fluoranthene	43		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
85-68-7	Benzyl butyl phthalate	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
105-60-2	Caprolactam	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
86-74-8	Carbazole	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
218-01-9	Chrysene	61		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
53-70-3	Dibenzo(a,h)anthracene	19	U	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	390	U, J, QS-3	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
206-44-0	Fluoranthene	140		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
86-73-7	Fluorene	5.0	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	390	U, J, QC-1	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	65		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
78-59-1	Isophorone	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
91-20-3	Naphthalene	11	J, CLP01, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-39

Lab ID: C081902-41

MD No: 4KE0 A4

Station ID: HG-RES-39

Matrix: Subsurface Soil

D No: 4KE0 SHEALY

Date Collected: 5/1/08 11:05

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	39	U, J, QC-2, QS-3	ug/kg dry	39	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	84	J, QS-3	ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
108-95-2	Phenol	390	U	ug/kg dry	390	5/08/08	5/23/08	CLP SOM01.2 B
129-00-0	Pyrene	87		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
<b>Tentatively Identified Compounds:</b>								
R4-0000	Tentatively Identified Compounds	400	U	ug/kg dry	400	5/08/08	5/23/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-40

Lab ID: C081902-42

MD No: 4KE1 A4

Station ID: HG-RES-37

Matrix: Subsurface Soil

D No: 4KE1 SHEALY

Date Collected: 5/1/08 12:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	13		%		5/08/08	5/23/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/23/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/23/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	74		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/23/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/23/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	1900	U	ug/kg dry	1900	5/08/08	5/23/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	1900	U	ug/kg dry	1900	5/08/08	5/23/08	CLP SOM01.2 B
83-32-9	Acenaphthene	130		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	610		ug/kg dry	190	5/08/08	5/25/08	CLP SOM01.2 BS
98-86-2	Acetophenone	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
120-12-7	Anthracene	1100		ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KE1 A4

D No: 4KE1 SHEALY

Sample ID: HG-Res-40

Lab ID: C081902-42

Station ID: HG-RES-37

Matrix: Subsurface Soil

Date Collected: 5/1/08 12:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	5900		ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	7300		ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	8400		ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	3200		ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	3400		ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
105-60-2	Caprolactam	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
86-74-8	Carbazole	540	J, CLP01	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
218-01-9	Chrysene	5300		ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	610		ug/kg dry	190	5/08/08	5/25/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	160	J, CLP01	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
206-44-0	Fluoranthene	9800		ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
86-73-7	Fluorene	410		ug/kg dry	190	5/08/08	5/25/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	960	U, J, QC-1	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	3700		ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
78-59-1	Isophorone	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
91-20-3	Naphthalene	110		ug/kg dry	19	5/08/08	5/24/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-40

Lab ID: C081902-42

MD No: 4KE1 A4

Station ID: HG-RES-37

Matrix: Subsurface Soil

D No: 4KE1 SHEALY

Date Collected: 5/1/08 12:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	38	U	ug/kg dry	38	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	4500		ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
108-95-2	Phenol	960	U	ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
129-00-0	Pyrene	14000		ug/kg dry	960	5/08/08	5/23/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
192-97-2	Benzo[e]pyrene	2000	NJ, CLP15	ug/kg dry		5/08/08	5/23/08	CLP SOM01.2 B
198-55-0	Perylene	3000	NJ, CLP15	ug/kg dry		5/08/08	5/23/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	2000	J, CLP15	ug/kg dry		5/08/08	5/23/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KE2 A4

D No: 4KE2 SHEALY

Sample ID: HG-Res-41

Lab ID: C081902-43

Station ID: HG-RES-41

Matrix: Subsurface Soil

Date Collected: 5/1/08 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	10		%		5/08/08	5/23/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	18000	U	ug/kg dry	18000	5/08/08	5/23/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	18000	U	ug/kg dry	18000	5/08/08	5/23/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	840		ug/kg dry	180	5/08/08	5/25/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	18000	U	ug/kg dry	18000	5/08/08	5/23/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	18000	U	ug/kg dry	18000	5/08/08	5/23/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	18000	U	ug/kg dry	18000	5/08/08	5/23/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	18000	U	ug/kg dry	18000	5/08/08	5/23/08	CLP SOM01.2 B
83-32-9	Acenaphthene	970		ug/kg dry	180	5/08/08	5/25/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	4000	J, CLP01	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
98-86-2	Acetophenone	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
120-12-7	Anthracene	9000	J, QS-5, CLP01	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-41

Lab ID: C081902-43

MD No: 4KE2 A4

Station ID: HG-RES-41

Matrix: Subsurface Soil

D No: 4KE2 SHEALY

Date Collected: 5/1/08 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	46000	J, QS-5	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	49000		ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	64000		ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	25000		ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	25000		ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
105-60-2	Caprolactam	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
86-74-8	Carbazole	3400	J, CLP01	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
218-01-9	Chrysene	42000	J, QS-5	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	1600		ug/kg dry	180	5/08/08	5/25/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	2000	J, CLP01	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
206-44-0	Fluoranthene	85000	J, QS-5	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
86-73-7	Fluorene	2200	J, CLP01	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
118-74-1	Hexachlorobenzene (HCB)	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	9400	U, J, QC-1	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	28000		ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
78-59-1	Isophorone	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
91-20-3	Naphthalene	1800		ug/kg dry	180	5/08/08	5/25/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-41

Lab ID: C081902-43

MD No: 4KE2 A4

Station ID: HG-RES-41

Matrix: Subsurface Soil

D No: 4KE2 SHEALY

Date Collected: 5/1/08 14:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	37	U	ug/kg dry	37	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	40000	J, QS-5	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
108-95-2	Phenol	9400	U	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
129-00-0	Pyrene	110000	J, QS-5	ug/kg dry	9400	5/08/08	5/23/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
203-64-5	4H-Cyclopenta[def]phenanthrene	10000	NJ, CLP15	ug/kg dry		5/08/08	5/23/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	10000	NJ, CLP15	ug/kg dry		5/08/08	5/23/08	CLP SOM01.2 B
198-55-0	Perylene	20000	NJ, CLP15	ug/kg dry		5/08/08	5/23/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KE3 A4

D No: 4KE3 SHEALY

Sample ID: HG-Res-42

Lab ID: C081902-44

Station ID: HG-RES-42

Matrix: Subsurface Soil

Date Collected: 5/1/08 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	5.0		%		5/08/08	5/22/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	8700	U	ug/kg dry	8700	5/08/08	5/22/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	8700	U	ug/kg dry	8700	5/08/08	5/22/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	270		ug/kg dry	170	5/08/08	5/25/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	8700	U	ug/kg dry	8700	5/08/08	5/22/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	8700	U	ug/kg dry	8700	5/08/08	5/22/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	8700	U	ug/kg dry	8700	5/08/08	5/22/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	8700	U	ug/kg dry	8700	5/08/08	5/22/08	CLP SOM01.2 B
83-32-9	Acenaphthene	110		ug/kg dry	17	5/08/08	5/24/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	880		ug/kg dry	170	5/08/08	5/25/08	CLP SOM01.2 BS
98-86-2	Acetophenone	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
120-12-7	Anthracene	1700	J, CLP01	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

MD No: 4KE3 A4

D No: 4KE3 SHEALY

Sample ID: HG-Res-42

Lab ID: C081902-44

Station ID: HG-RES-42

Matrix: Subsurface Soil

Date Collected: 5/1/08 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	11000		ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	10000		ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	12000		ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	5200		ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	4900		ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
105-60-2	Caprolactam	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
86-74-8	Carbazole	750	J, CLP01	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
218-01-9	Chrysene	9800		ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	700		ug/kg dry	170	5/08/08	5/25/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
206-44-0	Fluoranthene	19000		ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
86-73-7	Fluorene	560		ug/kg dry	170	5/08/08	5/25/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	4500	U, J, QC-1	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	5900		ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
78-59-1	Isophorone	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
91-20-3	Naphthalene	450		ug/kg dry	170	5/08/08	5/25/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-42

Lab ID: C081902-44

MD No: 4KE3 A4

Station ID: HG-RES-42

Matrix: Subsurface Soil

D No: 4KE3 SHEALY

Date Collected: 5/1/08 14:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	35	U	ug/kg dry	35	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	8000		ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
108-95-2	Phenol	4500	U	ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
129-00-0	Pyrene	18000		ug/kg dry	4500	5/08/08	5/22/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
198-55-0	Perylene	7000	NJ, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	5000	J, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-43

Lab ID: C081902-45

MD No: 4KE4 A4

Station ID: HG-RES-43

Matrix: Subsurface Soil

D No: 4KE4 SHEALY

Date Collected: 5/1/08 14:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	7.0		%		5/08/08	5/22/08	CLP BNA
1319-77-3	(3-and/or 4-)Methylphenol	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
92-52-4	1,1-Biphenyl	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
95-94-3	1,2,4,5-Tetrachlorobenzene	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
58-90-2	2,3,4,6-Tetrachlorophenol	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
95-95-4	2,4,5-Trichlorophenol	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
88-06-2	2,4,6-Trichlorophenol	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
120-83-2	2,4-Dichlorophenol	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
105-67-9	2,4-Dimethylphenol	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
51-28-5	2,4-Dinitrophenol	35000	U	ug/kg dry	35000	5/08/08	5/22/08	CLP SOM01.2 B
121-14-2	2,4-Dinitrotoluene	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
606-20-2	2,6-Dinitrotoluene	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
91-58-7	2-Chloronaphthalene	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
95-57-8	2-Chlorophenol	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
534-52-1	2-Methyl-4,6-dinitrophenol	35000	U	ug/kg dry	35000	5/08/08	5/22/08	CLP SOM01.2 B
91-57-6	2-Methylnaphthalene	1000	J, QS-5	ug/kg dry	350	5/08/08	5/25/08	CLP SOM01.2 BS
95-48-7	2-Methylphenol	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
88-74-4	2-Nitroaniline	35000	U	ug/kg dry	35000	5/08/08	5/22/08	CLP SOM01.2 B
88-75-5	2-Nitrophenol	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
91-94-1	3,3'-Dichlorobenzidine	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
99-09-2	3-Nitroaniline	35000	U	ug/kg dry	35000	5/08/08	5/22/08	CLP SOM01.2 B
101-55-3	4-Bromophenyl phenyl ether	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
59-50-7	4-Chloro-3-methylphenol	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
106-47-8	4-Chloroaniline	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
7005-72-3	4-Chlorophenyl phenyl ether	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
100-01-6	4-Nitroaniline	35000	U	ug/kg dry	35000	5/08/08	5/22/08	CLP SOM01.2 B
100-02-7	4-Nitrophenol	35000	U	ug/kg dry	35000	5/08/08	5/22/08	CLP SOM01.2 B
83-32-9	Acenaphthene	1800	J, QS-5	ug/kg dry	350	5/08/08	5/25/08	CLP SOM01.2 BS
208-96-8	Acenaphthylene	9100	J, QS-5	ug/kg dry	1400	5/08/08	5/25/08	CLP SOM01.2 BS
98-86-2	Acetophenone	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
120-12-7	Anthracene	28000		ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 4 Science and Ecosystem Support Division  
980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 08-0457

## Semi Volatile Organics

Project: 08-0457, Huntsville Gas Company

Contract Lab Case: 37420

Sample ID: HG-Res-43

Lab ID: C081902-45

MD No: 4KE4 A4

Station ID: HG-RES-43

Matrix: Subsurface Soil

D No: 4KE4 SHEALY

Date Collected: 5/1/08 14:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1912-24-9	Atrazine	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
100-52-7	Benzaldehyde	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
56-55-3	Benzo(a)anthracene	180000		ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
50-32-8	Benzo(a)pyrene	170000		ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
205-99-2	Benzo(b)fluoranthene	210000		ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
191-24-2	Benzo(g,h,i)perylene	90000		ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
207-08-9	Benzo(k)fluoranthene	95000		ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
85-68-7	Benzyl butyl phthalate	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
111-91-1	Bis(2-chloroethoxy)methane	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
111-44-4	bis(2-Chloroethyl) Ether	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
39638-32-9	Bis(2-chloroisopropyl) ether	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
117-81-7	Bis(2-ethylhexyl) phthalate	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
105-60-2	Caprolactam	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
86-74-8	Carbazole	6400	J, CLP01	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
218-01-9	Chrysene	150000		ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
53-70-3	Dibenzo(a,h)anthracene	8600	J, QS-5	ug/kg dry	1400	5/08/08	5/25/08	CLP SOM01.2 BS
132-64-9	Dibenzofuran	3800	J, CLP01	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
84-66-2	Diethyl phthalate	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
131-11-3	Dimethyl phthalate	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
84-74-2	Di-n-butylphthalate	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
117-84-0	Di-n-octylphthalate	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
206-44-0	Fluoranthene	190000		ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
86-73-7	Fluorene	6500	J, QS-5	ug/kg dry	1400	5/08/08	5/25/08	CLP SOM01.2 BS
118-74-1	Hexachlorobenzene (HCB)	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
87-68-3	Hexachlorobutadiene	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
77-47-4	Hexachlorocyclopentadiene (HCCP)	18000	U, J, QC-1	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
67-72-1	Hexachloroethane	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	91000		ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
78-59-1	Isophorone	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
91-20-3	Naphthalene	1500	J, QS-5	ug/kg dry	350	5/08/08	5/25/08	CLP SOM01.2 BS
98-95-3	Nitrobenzene	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region 4 Science and Ecosystem Support Division  
 980 College Station Road, Athens, Georgia 30605-2700  
 D.A.R.T. Id: 08-0457

## Semi Volatile Organics

**Project: 08-0457, Huntsville Gas Company**

**Contract Lab Case: 37420**

**Sample ID: HG-Res-43**

**Lab ID: C081902-45**

**MD No: 4KE4 A4**

**Station ID: HG-RES-43**

**Matrix: Subsurface Soil**

**D No: 4KE4 SHEALY**

**Date Collected: 5/1/08 14:40**

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
621-64-7	n-Nitroso di-n-Propylamine	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
87-86-5	Pentachlorophenol	72	U	ug/kg dry	72	5/08/08	5/24/08	CLP SOM01.2 BS
85-01-8	Phenanthrene	84000		ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
108-95-2	Phenol	18000	U	ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
129-00-0	Pyrene	190000		ug/kg dry	18000	5/08/08	5/22/08	CLP SOM01.2 B
<b>Tentatively Identified Compounds:</b>								
243-17-4	1H-Benzo[b]fluorene	20000	NJ, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B
4505-48-0	1H-Indene, 2-phenyl-	20000	NJ, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B
610-48-0	Anthracene, 1-methyl-	20000	NJ, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B
613-12-7	Anthracene, 2-methyl-	30000	NJ, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B
192-97-2	Benzo[e]pyrene	50000	NJ, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B
5737-13-3	Cyclopenta(def)phenanthrenone	30000	NJ, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B
198-55-0	Perylene	80000	NJ, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B
3674-66-6	Phenanthrene, 2,5-dimethyl-	30000	NJ, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B
2531-84-2	Phenanthrene, 2-methyl-	40000	NJ, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B
R4-6501	Unidentified Compound(s)	100000	J, CLP15	ug/kg dry		5/08/08	5/22/08	CLP SOM01.2 B

## **APPENDIX E**

### **NON-CLP ANALYTICAL DATA PACKAGE**



**ANALYTICAL ENVIRONMENTAL SERVICES, INC.**

September 05, 2008

Leland Meadows  
TN and Associates  
1220 Kennestone Circle  
Suite D  
Marietta, GA 30066  
TEL: (678) 355-5550  
FAX

RE: Huntsville Gas 2

Order No.: 0808J31

Dear Leland Meadows:

Analytical Environmental Services, Inc. received 8 samples on 8/29/2008 10:50:00 AM for the analyses presented in the following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/08-06/30/09.
- AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 08/01/09.

These results relate only to the items tested. This report may only be reproduced in full and contains 15 total pages (including cover letter).

If you have any questions regarding these test results, please feel free to call.

Sincerely,

James Forrest  
Project Manager





TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Work Order: 0808131

Date: 8/29/08 Page 1 of 1

COMPANY:		ADDRESS:		ANALYSIS REQUESTED								Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers
PHONE:		FAX:										REMARKS		
SAMPLED BY:		SIGNATURE:		PRESERVATION (See codes)										
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)								
1	HG-RES2-00 (HG-00)	8/28/08	1030		✓	SO	X							
2	HG-RES2-01 (HG-15)		0900		✓									
3	HG-RES2-02 (HG-20)		0815		✓									
4	HG-RES2-03 (HG-16)		0930		✓									
5	HG-RES2-04 (HG-21)		0845		✓									
6	HG-RES2-05 (HG-30)		0945		✓									
7	HG-RES2-06 (HG-39)		1000		✓									
8	HG-RES2-07 (duplicate)		0915		✓									
9														
10														
11														
12														
13														
14														

RELINQUISHED BY: Lelyn Meadows DATE/TIME: 8/29/08 1000

RECEIVED BY: Felix Zorin DATE/TIME: 8/29/08 10:50am

PROJECT NAME: Huntsville Gas 2

PROJECT #: 2005148 - 1146

SITE ADDRESS: \_\_\_\_\_

SEND REPORT TO: \_\_\_\_\_

INVOICE TO: \_\_\_\_\_  
(IF DIFFERENT FROM ABOVE)

QUOTE #: \_\_\_\_\_ PO#: \_\_\_\_\_

SPECIAL INSTRUCTIONS/COMMENTS: \_\_\_\_\_

SHIPMENT METHOD:  
OUT / / VIA:  
IN / / VIA:  
CLIENT ☒ FedEx UPS MAIL COURIER  
GREYHOUND OTHER \_\_\_\_\_

RECEIPT  
Total # of Containers: 8

Turnaround Time Request:  
☐ Standard 5 Business Days  
☐ 2 Business Day Rush  
☐ Next Business Day Rush  
☐ Same Day Rush (auth req.)  
☒ Other 3 day turn

STATE PROGRAM (if any): \_\_\_\_\_

E-mail? Y/N: \_\_\_\_\_ Fax? Y/N: \_\_\_\_\_

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.  
 SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

**PRESERVATIVE CODES.** H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M-I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

# Analytical Environmental Services, Inc.

REMIT TO: Analytical Environmental Services, Inc.  
Accounts Receivable  
3785 Presidential Parkway  
Atlanta, GA 30340-3704  
TEL: (770) 457-8177

## INVOICE

INV DATE: September 05, 2008

Print DATE: September 08, 2008

Invoice No: 109867

Invoice TO: TN and Associates  
1220 Kennestone Circle  
Suite D  
Marietta, GA 30066

Attn: Leland Meadows

Phone: (678) 355-5550

Work Order: 0808J31

PO Number:

Date Received 8/29/2008

Project Number: 2005148 - 1146

Project Name: Huntsville Gas 2

Item	Remarks	Matrix	Qty	List Price	Mult	Test Price	Test Total
Polynuclear Aromatic Hydrocarbons		Soil	6	\$80.00	1.15	\$92.00	\$552.00
Polynuclear Aromatic Hydrocarbons		Soil	2	\$80.00	1	\$80.00	\$160.00

### Miscellaneous Charge Summary

Item	Unit	Qty	Total
rush charges included in price.		1	

Subtotal: \$712.00

Discount: 0.00%

Surcharge: 0.00%

Misc Charges: \$0.00

Payment Received: \$0.00

**INVOICE Total: \$712.00**

All invoices are due and payable net 30 days from receipt. Past due invoices may be assessed an interest charge of 1.5% per month. Invoices not paid within 90 days may be subject to additional penalties or collection fees.

**Analytical Environmental Services, Inc.**

**Sample/Cooler Receipt Checklist**

Client 7W + Assoc

Work Order Number 0808131

Checklist completed by [Signature] Date 8/29/18

Carrier name: FedEx ☐ UPS ☐ Courier ☐ Client ☒ US Mail ☐ Other ☐

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☒ No ☐ Not Present ☐

Container/Temp Blank temperature in compliance? (4°C±2)\* Yes ☒ No ☐

Cooler #1 3.4° Cooler #2 ☐ Cooler #3 ☐ Cooler #4 ☐ Cooler#5 ☐ Cooler #6 ☐

Chain of custody present? Yes ☒ No ☐

Chain of custody signed when relinquished and received? Yes ☒ No ☐

Chain of custody agrees with sample labels? Yes ☒ No ☐

Samples in proper container/bottle? Yes ☒ No ☐

Sample containers intact? Yes ☒ No ☐

Sufficient sample volume for indicated test? Yes ☒ No ☐

All samples received within holding time? Yes ☒ No ☐

Was TAT marked on the COC? Yes ☒ No ☐

Proceed with Standard TAT as per project history? Yes ☐ No ☐ Not Applicable ☒

Water - VOA vials have zero headspace? No VOA vials submitted ☒ Yes ☐ No ☐

Water - pH acceptable upon receipt? Yes ☐ No ☐ Not Applicable ☒

Adjusted? ☐ Checked by ☐

Sample Condition: Good ☒ Other(Explain) ☐

(For diffusive samples or AIHA lead) Is a known blank included? Yes ☐ No ☒

See Case Narrative for resolution of the Non-Conformance.

\* Samples do not have to comply with the given range for certain parameters.

\\A\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample\_Cooler\_Receipt\_Checklist

**CLIENT:** TN and Associates  
**Project:** Huntsville Gas 2  
**Lab Order:** 0808J31

**CASE NARRATIVE**

PAH Analysis by Method 8270C SIM:

Due to sample matrix, samples 0808J67-001, -002, -003, -005, -007, and -008 required dilution during analysis resulting in elevated reporting limits.

Phenanthrene was detected in Method Blank 103689 at 3ug/Kg which was above reporting limit of 1.7ug/Kg resulting in "B" qualified data for all samples with final Reporting Limits less than the value detected in the Method Blank. Associated sample values were greater than approximately 10X the blank value and data was not affected.

**Analytical Environmental Services, Inc.**

Date: 05-Sep-08

**CLIENT:** TN and Associates

**Client Sample ID:** HG-RES2-00 (HG-00)

**Project:** Huntsville Gas 2

**Collection Date:** 8/28/2008 10:30:00 AM

**Lab ID:** 0808J31-001

**Matrix:** SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>				<b>SW8270C SIM (SW3550)</b>			<b>Analyst: EI</b>
1-Methylnaphthalene	BRL	110		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
2-Methylnaphthalene	BRL	110		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
Acenaphthene	BRL	110		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
Acenaphthylene	BRL	200		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
Anthracene	35	11		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
— Benz(a)anthracene	200	11		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
— Benzo(a)pyrene	200	11		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
— Benzo(b)fluoranthene	300	20		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
Benzo(g,h,i)perylene	170	20		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
— Benzo(k)fluoranthene	83	11		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
— Chrysene	160	11		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
— Dibenz(a,h)anthracene	62	20		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
Fluoranthene	410	20		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
Fluorene	BRL	20		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
— Indeno(1,2,3-cd)pyrene	140	11		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
Naphthalene	BRL	110		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
Phenanthrene	200	11		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
Pyrene	360	11		ug/Kg-dry	103689	5	9/4/2008 5:13 AM
Surr: 4-Terphenyl-d14	37.5	33.1-123		%REC	103689	5	9/4/2008 5:13 AM
<b>PERCENT MOISTURE</b>				<b>D2216</b>			<b>Analyst: MAS</b>
Percent Moisture	19.5	0		wt%		1	9/2/2008 12:00 PM

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
	BRL	Below Reporting Limit	S	Surrogate Recovery outside accepted recovery limits
	H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
	N	Analyte not NELAC certified	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank		

**Analytical Environmental Services, Inc.**

Date: 05-Sep-08

CLIENT: TN and Associates

Client Sample ID: HG-RES2-01 (HG-15)

Project: Huntsville Gas 2

Collection Date: 8/28/2008 9:00:00 AM

Lab ID: 0808J31-002

Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>		<b>SW8270C SIM</b>		<b>(SW3550)</b>		<b>Analyst: EI</b>	
1-Methylnaphthalene	BRL	98		ug/Kg-dry	103889	5	9/4/2008 8:08 AM
2-Methylnaphthalene	BRL	98		ug/Kg-dry	103889	5	9/4/2008 6:08 AM
Acenaphthene	BRL	98		ug/Kg-dry	103689	5	9/4/2008 6:08 AM
Acenaphthylene	890	190		ug/Kg-dry	103689	5	9/4/2008 6:08 AM
Anthracene	770	98		ug/Kg-dry	103689	5	9/4/2008 6:08 AM
Benzo(a)anthracene	3200	98		ug/Kg-dry	103689	50	9/4/2008 1:35 AM
Benzo(a)pyrene	3300	98		ug/Kg-dry	103689	50	9/4/2008 1:35 AM
Benzo(b)fluoranthene	5200	190		ug/Kg-dry	103689	50	9/4/2008 1:35 AM
Benzo(g,h,i)perylene	4000	190		ug/Kg-dry	103689	50	9/4/2008 1:35 AM
Benzo(k)fluoranthene	2000	98		ug/Kg-dry	103689	50	9/4/2008 1:35 AM
Chrysene	3200	98		ug/Kg-dry	103689	50	9/4/2008 1:35 AM
Dibenz(a,h)anthracene	1000	19		ug/Kg-dry	103689	5	9/4/2008 6:08 AM
Fluoranthene	7400	190		ug/Kg-dry	103689	50	9/4/2008 1:35 AM
Fluorene	120	19		ug/Kg-dry	103689	5	9/4/2008 6:08 AM
Indeno(1,2,3-cd)pyrene	2800	98		ug/Kg-dry	103689	50	9/4/2008 1:35 AM
Naphthalene	120	98		ug/Kg-dry	103689	5	9/4/2008 6:08 AM
Phenanthrene	2500	98		ug/Kg-dry	103689	50	9/4/2008 1:35 AM
Pyrene	6400	98		ug/Kg-dry	103689	50	9/4/2008 1:35 AM
Surr: 4-Terphenyl-d14	44.8	33.1-123		%REC	103689	5	9/4/2008 6:08 AM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MAS</b>	
Percent Moisture	13.4	0		wt%		1	9/2/2008 12:00 PM

**Qualifiers:** \* Value exceeds Maximum Contaminant Level  
 BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 N Analyte not NELAC certified  
 B Analyte detected in the associated Method Blank

E Estimated (Value above quantitation range)  
 S Surrogate Recovery outside accepted recovery limits  
 Narr See Case Narrative  
 NC Not Confirmed



**Analytical Environmental Services, Inc.**

Date: 05-Sep-08

CLIENT: TN and Associates

Client Sample ID: HG-RES2-02 (HG-20)

Project: Huntsville Gas 2

Collection Date: 8/28/2008 8:15:00 AM

Lab ID: 0808J31-003

Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>		<b>SW8270C SIM (SW3550)</b>		<b>Analyst: EI</b>			
1-Methylnaphthalene	BRL	140		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
2-Methylnaphthalene	BRL	140		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Acenaphthene	BRL	140		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Acenaphthylene	370	260		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Anthracene	280	14		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Benzo(a)anthracene	2100	14		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Benzo(a)pyrene	2000	14		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Benzo(b)fluoranthene	2400	260		ug/Kg-dry	103689	50	9/4/2008 2:02 AM
Benzo(g,h,i)perylene	2100	26		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Benzo(k)fluoranthene	990	14		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Chrysene	1700	14		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Dibenz(a,h)anthracene	450	26		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Fluoranthene	2700	260		ug/Kg-dry	103689	50	9/4/2008 2:02 AM
Fluorene	59	26		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Indeno(1,2,3-cd)pyrene	1600	14		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Naphthalene	BRL	140		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Phenanthrene	950	14		ug/Kg-dry	103689	5	9/4/2008 6:36 AM
Pyrene	2500	140		ug/Kg-dry	103689	50	9/4/2008 2:02 AM
Surr: 4-Terphenyl-d14	43.6	33.1-123		%REC	103689	5	9/4/2008 6:36 AM
<b>PERCENT MOISTURE</b>		<b>D2216</b>		<b>Analyst: MAS</b>			
Percent Moisture	37.4	0		wt%		1	9/2/2006 12:00 PM

Qualifiers:	* Value exceeds Maximum Contaminant Level	E Estimated (Value above quantitation range)
	BRL Below Reporting Limit	S Surrogate Recovery outside accepted recovery limits
	H Holding times for preparation or analysis exceeded	Narr See Case Narrative
	N Analyte not NELAC certified	NC Not Confirmed
	B Analyte detected in the associated Method Blank	

**Analytical Environmental Services, Inc.**

Date: 05-Sep-08

**CLIENT:** TN and Associates  
**Project:** Huntsville Gas 2  
**Lab ID:** 0808J31-004

**Client Sample ID:** HG-RES2-03 (HG-16)  
**Collection Date:** 8/28/2008 9:30:00 AM  
**Matrix:** SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>		<b>SW8270C SIM</b>		<b>(SW3550)</b>		<b>Analyst: EI</b>	
1-Methylnaphthalene	240	110		ug/Kg-dry	103689	5	9/4/2008 2:42 PM
2-Methylnaphthalene	420	110		ug/Kg-dry	103689	5	9/4/2008 2:42 PM
Acenaphthene	220	110		ug/Kg-dry	103889	5	9/4/2008 2:42 PM
Acenaphthylene	3900	2100		ug/Kg-dry	103889	50	9/4/2008 2:30 AM
Anthracene	5600	110		ug/Kg-dry	103889	50	9/4/2008 2:30 AM
Benzo(a)anthracene	36000	420		ug/Kg-dry	103689	200	9/4/2008 8:11 PM
Benzo(a)pyrene	29000	420		ug/Kg-dry	103689	200	9/4/2008 8:11 PM
Benzo(b)fluoranthene	49000	820		ug/Kg-dry	103689	200	9/4/2008 8:11 PM
Benzo(g,h,i)perylene	49000	820		ug/Kg-dry	103689	200	9/4/2008 8:11 PM
Benzo(k)fluoranthene	14000	110		ug/Kg-dry	103689	50	9/4/2008 2:30 AM
Chrysene	26000	420		ug/Kg-dry	103689	200	9/4/2008 8:11 PM
Dibenz(a,h)anthracene	4100	210		ug/Kg-dry	103669	50	9/4/2008 2:30 AM
Fluoranthene	65000	820		ug/Kg-dry	103669	200	9/4/2008 8:11 PM
Fluorene	590	21		ug/Kg-dry	103689	5	9/4/2008 2:42 PM
Indeno(1,2,3-cd)pyrene	19000	110		ug/Kg-dry	103689	50	9/4/2008 2:30 AM
Naphthalene	1000	110		ug/Kg-dry	103669	5	9/4/2008 2:42 PM
Phenanthrene	25000	420		ug/Kg-dry	103689	200	9/4/2008 8:11 PM
Pyrene	54000	420		ug/Kg-dry	103689	200	9/4/2008 8:11 PM
Sum: 4-Terphenyl-d14	35.4	33.1-123		%REC	103689	5	9/4/2008 2:42 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MAS</b>	
Percent Moisture	20.0	0		wt%		1	9/2/2008 12:00 PM

**Qualifiers:** \* Value exceeds Maximum Contaminant Level  
 BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 N Analyte not NELAC certified  
 B Analyte detected in the associated Method Blank

E Estimated (Value above quantitation range)  
 S Surrogate Recovery outside accepted recovery limits  
 Narr See Case Narrative  
 NC Not Confirmed

**Analytical Environmental Services, Inc.**

Date: 05-Sep-08

**CLIENT:** TN and Associates

**Client Sample ID:** HG-RES2-04 (HG-21)

**Project:** Huntsville Gas 2

**Collection Date:** 8/28/2008 8:45:00 AM

**Lab ID:** 0808J31-005

**Matrix:** SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>		<b>SW8270C SIM</b>		<b>(SW3550)</b>		<b>Analyst: EI</b>	
1-Methylnaphthalene	BRL	100		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
2-Methylnaphthalene	BRL	100		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Acenaphthene	BRL	100		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Acenaphthylene	BRL	200		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Anthracene	84	10		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Benz(a)anthracene	700	10		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Benzo(a)pyrene	850	10		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Benzo(b)fluoranthene	1100	20		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Benzo(g,h,i)perylene	830	20		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Benzo(k)fluoranthene	280	10		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Chrysene	570	10		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Dibenz(a,h)anthracene	170	20		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Fluoranthene	1200	20		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Fluorene	BRL	20		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Indeno(1,2,3-cd)pyrene	500	10		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Naphthalene	BRL	100		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Phenanthrene	320	10		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Pyrene	1100	10		ug/Kg-dry	103889	5	9/4/2008 3:51 AM
Surr: 4-Terphenyl-d14	34.4	33.1-123		%REC	103889	5	9/4/2008 3:51 AM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MAS</b>	
Percent Moisture	18.7	0		wt%		1	9/2/2008 12:00 PM

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level	E Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S Surrogate Recovery outside accepted recovery limits
H	Holding times for preparation or analysis exceeded	Narr See Case Narrative
N	Analyte not NELAC certified	NC Not Confirmed
B	Analyte detected in the associated Method Blank	

# Analytical Environmental Services, Inc.

Date: 05-Sep-08

CLIENT: TN and Associates

Client Sample ID: HG-RES2-05 (HG-30)

Project: Huntsville Gas 2

Collection Date: 8/28/2008 9:45:00 AM

Lab ID: 0808J31-006

Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>		<b>SW8270C SIM</b>		<b>(SW3550)</b>		<b>Analyst: EI</b>	
1-Methylnaphthalene	380	110		ug/Kg-dry	103689	5	9/4/2008 3:09 PM
2-Methylnaphthalene	570	110		ug/Kg-dry	103689	5	9/4/2008 3:09 PM
Acenaphthene	340	110		ug/Kg-dry	103689	5	9/4/2008 3:09 PM
Acenaphthylene	3700	2000		ug/Kg-dry	103689	50	9/4/2008 2:57 AM
Anthracene	4800	110		ug/Kg-dry	103689	50	9/4/2008 2:57 AM
Benz(a)anthracene	19000	110		ug/Kg-dry	103689	50	9/4/2008 2:57 AM
Benzo(a)pyrene	18000	110		ug/Kg-dry	103689	50	9/4/2008 2:57 AM
Benzo(b)fluoranthene	21000	820		ug/Kg-dry	103689	200	9/4/2008 8:38 PM
Benzo(g,h,i)perylene	15000	200		ug/Kg-dry	103689	50	9/4/2008 2:57 AM
Benzo(k)fluoranthene	7400	110		ug/Kg-dry	103689	50	9/4/2008 2:57 AM
Chrysene	15000	110		ug/Kg-dry	103689	50	9/4/2008 2:57 AM
Dibenz(a,h)anthracene	2500	200		ug/Kg-dry	103689	50	9/4/2008 2:57 AM
Fluoranthene	37000	820		ug/Kg-dry	103689	200	9/4/2008 8:38 PM
Fluorene	1500	20		ug/Kg-dry	103689	5	9/4/2008 3:09 PM
Indeno(1,2,3-cd)pyrene	11000	110		ug/Kg-dry	103689	50	9/4/2008 2:57 AM
Naphthalene	1300	110		ug/Kg-dry	103689	5	9/4/2008 3:09 PM
Phenanthrene	19000	110		ug/Kg-dry	103689	50	9/4/2008 2:57 AM
Pyrene	32000	420		ug/Kg-dry	103689	200	9/4/2008 8:38 PM
Sum: 4-Terphenyl-d14	63.5	33.1-123		%REC	103689	5	9/4/2008 3:09 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MAS</b>	
Percent Moisture	19.4	0		wt%		1	9/2/2008 12:00 PM

Qualifiers:	* Value exceeds Maximum Contaminant Level	E Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S Surrogate Recovery outside accepted recovery limits
H	Holding times for preparation or analysis exceeded	Narr See Case Narrative
N	Analyte not NELAC certified	NC Not Confirmed
B	Analyte detected in the associated Method Blank	

**Analytical Environmental Services, Inc.**

Date: 05-Sep-08

CLIENT: TN and Associates

Client Sample ID: HG-RES2-06 (HG-39)

Project: Huntsville Gas 2

Collection Date: 8/28/2008 10:00:00 AM

Lab ID: 0808J31-007

Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>		<b>SW8270C SIM</b>		<b>(SW3550)</b>		<b>Analyst: EI</b>	
1-Methylnaphthalene	BRL	120		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
2-Methylnaphthalene	BRL	120		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Acenaphthene	BRL	120		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Acenaphthylene	BRL	230		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Anthracene	21	12		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Benz(a)anthracene	140	12		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Benzo(a)pyrene	150	12		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Benzo(b)fluoranthene	200	23		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Benzo(g,h,i)perylene	150	23		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Benzo(k)fluoranthene	72	12		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Chrysene	100	12		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Dibenz(a,h)anthracene	72	23		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Fluoranthene	220	23		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Fluorene	BRL	23		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Indano(1,2,3-cd)pyrene	130	12		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Naphthalene	BRL	120		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Phenanthrene	110	12		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Pyrene	180	12		ug/Kg-dry	103689	5	9/4/2008 5:41 AM
Surr: 4-Terphenyl-d14	35.4	33.1-123		%REC	103689	5	9/4/2008 5:41 AM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MAS</b>	
Percent Moisture	27.9	0		wt%		1	9/2/2008 12:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
	BRL	Below Reporting Limit	S	Surrogate Recovery outside accepted recovery limits
	H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
	N	Analyte not NELAC certified	NC	Not Confirmed
	B	Analyte detected in the associated Method Blank		

**Analytical Environmental Services, Inc.**

Date: 05-Sep-08

**CLIENT:** TN and Associates

**Client Sample ID:** HG-RES2-07 (DUPLICATE)

**Project:** Huntsville Gas 2

**Collection Date:** 8/28/2008 9:15:00 AM

**Lab ID:** 0808J31-008

**Matrix:** SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b>		<b>SW8270C SIM</b>		<b>(SW3550)</b>		<b>Analyst: EI</b>	
1-Methylnaphthalene	BRL	100		ug/Kg-dry	103689	5	9/4/2008 7:02 AM
2-Methylnaphthalene	BRL	100		ug/Kg-dry	103689	5	9/4/2008 7:02 AM
Acenaphthene	BRL	100		ug/Kg-dry	103689	5	9/4/2008 7:02 AM
Acenaphthylene	710	200		ug/Kg-dry	103689	5	9/4/2008 7:02 AM
Anthracene	560	10		ug/Kg-dry	103689	5	9/4/2008 7:02 AM
Benz(a)anthracene	2800	100		ug/Kg-dry	103689	50	9/4/2008 3:24 AM
Benzo(a)pyrene	2700	100		ug/Kg-dry	103689	50	9/4/2008 3:24 AM
Benzo(b)fluoranthene	4300	200		ug/Kg-dry	103689	50	9/4/2008 3:24 AM
Benzo(g,h,i)perylene	3200	200		ug/Kg-dry	103689	50	9/4/2008 3:24 AM
Benzo(k)fluoranthene	1500	10		ug/Kg-dry	103689	5	9/4/2008 7:02 AM
Chrysene	2600	100		ug/Kg-dry	103689	50	9/4/2008 3:24 AM
Dibenz(a,h)anthracene	800	20		ug/Kg-dry	103689	5	9/4/2008 7:02 AM
Fluoranthene	5500	200		ug/Kg-dry	103689	50	9/4/2008 3:24 AM
Fluorene	88	20		ug/Kg-dry	103689	5	9/4/2008 7:02 AM
Indeno(1,2,3-cd)pyrene	2400	100		ug/Kg-dry	103689	50	9/4/2008 3:24 AM
Naphthalene	120	100		ug/Kg-dry	103689	5	9/4/2008 7:02 AM
Phenanthrene	1800	100		ug/Kg-dry	103689	50	9/4/2008 3:24 AM
Pyrene	4900	100		ug/Kg-dry	103689	50	9/4/2008 3:24 AM
Surr: 4-Terphenyl-d14	45.8	33.1-123		%REC	103689	5	9/4/2008 7:02 AM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MAS</b>	
Percent Moisture	19.0	0		wt%		1	9/2/2008 12:00 PM

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level	E Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S Surrogate Recovery outside accepted recovery limits
H	Holding times for preparation or analysis exceeded	Narr See Case Narrative
N	Analyte not NELAC certified	NC Not Confirmed
B	Analyte detected in the associated Method Blank	



CLIENT: TN and Associates

Work Order: 0808J31

Project: Huntsville Gas 2

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8270\_SIM\_PAH\_S

Sample ID: MB-103689	SampType: MBLK	TestCode: 8270_SIM_PA	Units: ug/Kg	Prep Date: 9/2/2006	RunNo: 132503						
Client ID:	Batch ID: 103689	TestNo: SW8270C SI		Analysis Date: 9/3/2008	SeqNo: 2705675						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	BRL	17	0	0	0	0	0	0	0		
2-Methylnaphthalene	BRL	17	0	0	0	0	0	0	0		
Acenaphthene	BRL	17	0	0	0	0	0	0	0		
Acenaphthylene	BRL	33	0	0	0	0	0	0	0		
Anthracene	BRL	1.7	0	0	0	0	0	0	0		
Benz(a)anthracene	BRL	1.7	0	0	0	0	0	0	0		
Benzo(a)pyrene	BRL	1.7	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	BRL	3.3	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	BRL	3.3	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	BRL	1.7	0	0	0	0	0	0	0		
Chrysene	BRL	1.7	0	0	0	0	0	0	0		
Dibenz(a,h)anthracene	BRL	3.3	0	0	0	0	0	0	0		
Fluoranthene	BRL	3.3	0	0	0	0	0	0	0		
Fluorene	BRL	3.3	0	0	0	0	0	0	0		
Indeno(1,2,3-cd)pyrene	BRL	1.7	0	0	0	0	0	0	0		
Naphthalene	BRL	17	0	0	0	0	0	0	0		
Phenanthrene	3	1.7	0	0	0	0	0	0	0		B
Pyrene	BRL	1.7	0	0	0	0	0	0	0		
Surr: 4-Terphenyl-d14	60	0	180	0	37.5	33.1	123	0	0		

Sample ID: LCS-103669	SampType: LCS	TestCode: 8270_SIM_PA Units: ug/Kg				Prep Date: 9/2/2008			RunNo: 132503		
Client ID:	Batch ID: 103689	TestNo: SW8270C SI				Analysis Date: 9/4/2008			SeqNo: 2705676		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	36.33	17	66.7	0	54.5	27.2	115	0	0		
Acenaphthylene	35.67	33	66.7	0	53.5	30.8	115	0	0		
Anthracene	32.33	1.7	66.7	0	48.5	34.1	115	0	0		
Benz(a)anthracene	42	1.7	66.7	0	63	27.2	129	0	0		
Benzo(a)pyrene	33	1.7	66.7	0	49.5	32.5	115	0	0		

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Estimated value above quantitation range
	U	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified
	R	RPD outside limits due to matrix	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix

CLIENT: TN and Associates  
 Work Order: 0808J31  
 Project: Huntsville Gas 2

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8270\_SIM\_PAH\_S

Sample ID: LCS-103889	SampType: LCS	TestCode: 8270_SIM_PA Units: ug/Kg				Prep Date: 9/2/2008			RunNo: 132503		
Client ID:	Batch ID: 103689	TestNo: SW8270C SI				Analysis Date: 9/4/2008			SeqNo: 2705676		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimil	HighLimil	RPD Ref Val	%RPD	RPDLimil	Qual
Benzo(b)fluoranthene	39	3.3	66.7	0	58.5	27.1	125	0	0		
Benzo(g,h,i)perylene	43.33	3.3	66.7	0	65	39.6	119	0	0		
Benzo(k)fluoranthene	42	1.7	66.7	0	63	30.7	115	0	0		
Chrysene	41.67	1.7	66.7	0	62.5	42.3	115	0	0		
Dibenz(a,h)anthracene	38.33	3.3	66.7	0	57.5	38.4	115	0	0		
Fluoranthene	42.87	3.3	66.7	0	64	51.9	115	0	0		
Fluorene	41.33	3.3	66.7	0	62	31.7	115	0	0		
Indeno(1,2,3-cd)pyrene	37.33	1.7	66.7	0	56	47.7	115	0	0		
Naphthalene	37.33	17	66.7	0	58	17.2	115	0	0		
Phenanthrene	41.33	1.7	66.7	3	57.5	47.5	115	0	0		B
Pyrene	43.33	1.7	66.7	1.867	62.5	49.7	115	0	0		
Sum: 4-Terphenyl-d14	53	0	66.7	0	79.5	33.1	123	0	0		

Sample ID: 0808J31-005AMS	SampType: MS	TestCode: 8270_SIM_PA	Units: ug/Kg-dry	Prep Date: 9/2/2008	RunNo: 132503						
Client ID: HG-RES2-04 (HG-21	Batch ID: 103889	TestNo: SW8270C SI		Analysis Date: 9/4/2008	SeqNo: 2705685						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	BRL	100	81.86	0	70	10.2	115	0	0		
Acenaphthylene	BRL	200	81.86	112.7	62.3	8.29	115	0	0		
Anthracene	157.5	10	81.86	83.98	89.8	23.7	115	0	0		
Benzo(a)anthracene	846.9	10	81.86	700.5	179	29.5	131	0	0		S
Benzo(a)pyrene	740.5	10	81.88	649.3	111	36.7	116	0	0		
Benzo(b)fluoranthene	1303	20	81.86	1143	196	32	118	0	0		S
Benzo(g,h,i)pyrene	752.8	20	81.86	635	144	30.8	128	0	0		S
Benzo(k)fluoranthene	274.1	10	81.86	282.2	14.6	29.3	119	0	0		S
Chrysene	650.5	10	81.88	571.5	96.5	39.2	115	0	0		
Dibenz(a,h)anthracene	296.6	20	81.86	174.1	150	40	115	0	0		S
Fluoranthene	1303	20	81.86	1192	135	43.6	115	0	0		S
Fluorene	73.64	20	81.88	0	90	16	115	0	0		
Indeno(1,2,3-cd)pyrene	587.1	10	81.88	495.7	112	45.4	115	0	0		

Qualifiers:	D	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Estimated value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified
	R	RPD outside limits due to matrix	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix

CLIENT: TN and Associates  
 Work Order: 0808J31  
 Project: Huntsville Gas 2

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8270\_SIM\_PAH\_S

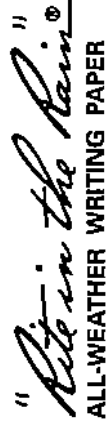
Sample ID: 0808J31-005AMS	SampType: MS	TestCode: 8270_SIM_PA	Units: ug/Kg-dry	Prep Date: 9/2/2008	RunNo: 132503						
Client ID: HG-RES2-04 (HG-21)	Batch ID: 103689	TestNo: SW8270C SI		Analysis Date: 9/4/2008	SeqNo: 2705885						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	BRL	100	81.86	0	82.5	5.7	115	0	0		
Phenanthrene	386.7	10	81.88	317.5	86.9	32.4	115	0	0		
Pyrene	1141	10	81.88	1055	106	42.1	115	0	0		
Surr: 4-Terphenyl-d14	81.82	0	81.86	0	100	33.1	123	0	0		

Sample ID: 0808J31-005AMSD	SampType: MSD	TestCode: 8270_SIM_PA	Units: ug/Kg-dry	Prep Date: 9/2/2008	RunNo: 132503						
Client ID: HG-RES2-04 (HG-21	Batch ID: 103689	TestNo: SW8270C SI		Analysis Date: 9/4/2008	SeqNo: 2705688						
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	BRL	100	81.95	0	65	10.2	115	57.28	0	79.1	
Acenaphthylene	BRL	200	81.95	112.7	74.9	8.29	115	163.8	0	77.6	
Anthracene	145.4	10	81.95	83.98	74.9	23.7	115	157.5	8.01	44.4	
Benz(a)anthracene	833.4	10	81.95	700.5	162	29.5	131	848.9	1.61	50.8	S
Benzo(a)pyrene	763.8	10	81.95	649.3	140	38.7	118	740.5	3.09	31.5	S
Benzo(b)fluoranthene	1067	20	81.95	1143	-92.9	32	118	1303	19.9	55.9	S
Benzo(g,h,i)perylene	755.6	20	81.95	635	147	30.8	128	752.8	0.371	32.4	S
Benzo(k)fluoranthene	456.6	10	81.95	262.2	237	29.3	119	274.1	50.0	55.3	S
Chrysene	838.8	10	81.95	571.5	79.7	39.2	115	850.5	2.13	31.8	
Dibenz(a,h)anthracene	294.9	20	81.95	174.1	147	40	115	296.6	0.592	31.9	S
Fluoranthene	1259	20	81.95	1192	82	43.8	115	1303	3.41	38.8	
Fluorene	69.62	20	81.95	0	85	16	115	73.64	5.81	87.2	
Indeno(1,2,3-cd)pyrene	595.9	10	81.95	495.7	122	45.4	115	587.1	1.48	33.3	S
Naphthalene	BRL	100	81.95	0	60	5.7	115	51.14	0	81.8	
Phenanthrene	360.4	10	81.95	317.5	52.3	32.4	115	388.7	7.55	51.4	
Pyrene	1122	10	81.95	1055	82	42.1	115	1141	1.71	37.3	
Surr: 4-Terphenyl-d14	75.76	0	81.95	0	92.5	33.1	123	81.82	0	20	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Estimated value above quantitation range
	D	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified
	R	RPD outside limits due to matrix	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix

## **APPENDIX F**

### **LOGBOOK NOTES**



**ALL-WEATHER WRITING PAPER**

Name Leland Meadows  
TNA - Project Manager  
Address 1220 Kennestone Cir  
Suite D Marietta, GA 30066  
Phone 678-355-5550 ext. 5708

Project Huntsville Gas Company  
TDD: TNA-05-003-0063  
TNA Phase No. 2005148-1146

Clear Vinyl Protective Slipcovers (Item No. 30) are available for this style of notebook. Helps protect your notebook from wear & tear. Contact your dealer or the J. L. Darling Corporation.

[illegible]

04/28/08

Huntsville Gas

0800: START arrives at TNA - Atlanta

Office to collect sampling equipment  
and brief field team members.1100: START mobilizes to Huntsville, AL  
for site meeting with OSC.

Weather: Hi: 66°F Low 50°F

1500: START arrives on-site to discuss  
sampling procedures, start times, and  
document pre sampling conditions.1730: START and OSC Huxley exit the site.  
START will begin sampling on 4/29/08.4  
04/26/08

Scale: 1 square =

04/29/08

Huntsville Gas

0700: START teams arrive on site for  
residential sampling event located  
near Holmes / Dallas Ave, Huntsville, AL.  
START will collect approximately 50  
soil and sediment samples located  
throughout the site.

Weather: Hi: 61°F Low 37°F

0830: START L. Meadows conducts daily  
Health & Safety meeting. Sampling  
teams will utilize augers to collect  
samples from 1-2 feet below ground  
surface. Underground hazards, crossing the  
street and kids are major concerns.1000: START collects sample, soil from  
HG-RES-01. 5-point composite sample  
is homogenized, placed in 8 oz jar and  
put in cooler on ice.1030: START collect soil sample, 5-point  
composite from HG-RES-02.1100: START collects soil sample, 5-point  
composite from HG-RES-03.1105: START collects 5-point composite  
soil sample from HG-RES-04.4  
04/29/08

Scale: 1 square =



## Huntsville Gas

4/30/08	Huntsville Gas
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0700, START / OSC trigger arrive on-site to perform sampling event. ←

Weather: Hi 77°F Low 37°F

Weather: Hi 77°F Low 37°F  
0800) START L. Meadows conducts class

Health ; Safety meeting.

0825. START collects 5-point composite.

soil sample from HH way rd nos 105  
41-53R-6H-RES-14

0830; START collects 5-point composite.

soil sample from HG-RES-12.

09/10; START collects 5-point composite

soil sample from Hg-RES-15

0720, START collects 5-point composite

Soil sample from HG-RES-13.

STAR collects 5-point composite

Soil sample from HG-RES - 17.

001, J1#K1 collect 5-point compos

Soil sample from #G-KES-6.

USE, SARC collects	5-point composite
tail	10

Sub sample from AG-KES-10.  
START 11-11-52

Composite

1100: START 1100: 5-2000

6-338-JH - song (10/15/05)

1130. START colls 5-PM. 4-4000-0000

Scale: 1 contour = 1000 ft

Scale: 1 square = 4/30/08

4/29/08

4/30/08

Huntsville Gao

Soil Sample from HG-RES-19. —  
 1140; START collects 5-point composite  
 soil sample from HG-RES-22.  
 START collects 5-point composite  
 soil sample from HG-RES-23. Sample  
 HG-RES-23 is a duplicate of HG-RES-22.  
 1335; START collects 5-point composite  
 soil sample from HG-RES-26. —  
 1350; START collects 5-point composite  
 soil sample from HG-RES-25. —  
 1400; START collects 5-point composite  
 soil sample from HG-RES-24. —  
 1410; START collects 5-point composite  
 soil sample from HG-RES-27. —  
 1425; START collects 5-point composite  
 soil sample from HG-RES-28. —  
 1445; START collects 5-point composite  
 soil sample from HG-RES-29. —  
 1500; START performs clean up sampling  
 equipment, processes samples, completes  
 Form # Lite, and packs coolers.  
 1730; START delivers samples to FedEx for  
 priority overnight shipment.  
 yr 4/30/08

Scale: 1 square =

5/1/08

0700; START / OSC Hayser arrive on-site  
 to conduct residential soil / sediment  
 sampling. —

Weather: Hi - 81°F Low - 50°F  
 0800; START L. Meadows conducts daily  
 Health / Safety meeting. —

0900; START collects 5-point composite  
 soil sample from HG-RES-30. —

1000; START collects 5-point composite  
 soil sample from HG-RES-32. —

1005; START collects 5-point composite  
 soil sample from HG-RES-31. —

1015; START collects 5-point composite  
 soil sample from HG-RES-33. —

1100; START collects 5-point composite  
 soil sample from HG-RES-38. —

1105; START collects 5-point composite  
 soil sample from HG-RES-39. —

1135; START collects 5-point composite  
 soil sample from HG-RES-35. —

1140; START collects 5-point composite  
 soil sample from HG-RES-34. —

1230; START collects 5-point composite  
 soil sample from HG-RES-37/40. —

Scale: 1 square = yr 5/1/08

5/1/08

Huntsville Gas

Sample HG-RES-40 is a duplicate of  
HG-RES-37.

1225, START collects 5-point composite  
soil sample from HG-RES-36.

1420, START collects 5-point composite  
sediment <sup>8/11/08</sup> sample from HG-RES-41.

1430, START collects 5-point composite  
sediment sample from HG-RES-42.

1440, START collects 5-point composite  
sediment sample from HG-RES-43.

1500, START collects background 5-point  
composite soil sample from HG-RES-00.

1530, START collects a sample of soil  
derived from sampling event. Soil not

compacted into original auger placement  
was mixed sampled, containerized at

will be held at ADEM off-site location  
in Decatur, AL; sample # HG-RES-44.

1600, START prepares sample cooler, delivers  
to FedEx, and will demobilize at

0800 on 5/2/08.

1730, START exits the site.

Scale: 1 square =

5/1/08

5/2/08 Huntsville Gas

0800, START demobilizes from Huntsville, AL  
to Marietta, GA (START ATL office).

1100, START arrives at office, will decon  
equipment and return rental equipment  
and vehicles.

5/2/08

Scale: 1 square =

8/11/08

Huntsville Gas

\* Note: While START conducted subsurface

sampling on 4/28/08 - 5/1/08, members noticed black coal, brick, wood pieces, and concrete in several of the boreholes.

The material was noticed primarily

along the western portion of the site

in sampling locations HG-RES-09

through HG-RES-39. Black coal

material was visible in surface soil, less

than 1 inch below ground surface in the

Boys Scout gardens, labeled HG-RES-30

and HG-RES-39.

START also augured through stock piles

located at the south western portion of

the site, labeled HG-RES-33, 34, 35,

and HG-RES-36. START collected samples

from 12"-18" below original grade, which

required auguring up to 4 feet in sampling

location HG-RES-36.

START noticed visible slag, black in color

along the base of the unnamed ditch like to

the west of the site, labeled HG-RES-41,

-42, -43.

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intentionally left blank  
JY 8/11/08

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8/28/08 Huntsville Gas

0730: START arrives on site. START mobilized to the Huntsville, AL vicinity of town on 8/27/08. OSC Matt Heyner arrives on site to provide oversight of surface soil sampling event.

Weather: Hi 92°F Low 72°F

0800: START began collecting surface soil samples at the Huntsville Gas site, located near Dallas Ave. START collects samples utilizing bowl and spoon.

0815: START collects surface soil sample from 0-6 inches below ground surface (bgs) HG-RES2-02 (original subsurface HG-30).

0845: START L. Meadows/R. Henderson collects surface soil from 0-6 inches below ground surface HG-RES2-04 (original subsurface HG-21).

0900: START collects surface soil sample from 0-6 inches bgs in location HG-RES2-01 (previously HG-RES-15).

0915: START collects surface soil sample from 0-6 inches bgs in location HG-RES2-07 (previously HG-RES-15). This sample is a duplicate of HG-RES2-01.

Scale: 1 square =

08/28/08 Huntsville Gas

0930: START L. Meadows/R. Henderson collect 5-point surface soil composite sample from 0-6 inches bgs in location HG-RES2-03 (previously HG-RES-16).

\* Note: All samples are 5-point composites.

0945: START L. Meadows collects composite surface soil sample from the Boys Scout garden from 0-6 inches bgs. START observes visible coal material located throughout the garden; location HG-RES2-05 (previously HG-RES-30).

1000: START R. Henderson collects 5-point composite surface soil sample from 0-6 inches bgs from a <sup>adjacent</sup> vegetable garden located near southern portion of the site. Sample HG-RES-06 (previously HG-RES-29).

START also observed coal material throughout the garden.

1030: START collected sample HG-RES2-00, 5-point composite surface soil sample (previously HG-RES-00).

1100: START places all samples in cooler and applies ice. START demobilizes from the site to Marietta, GA.

8/28/09  
Scale: 1 square =

08/29/08

Huntsville Gas

1630; START L. Meadows prepares samples and chain of custody for laboratory analysis. START has contacted a non-CLP Laboratory Analytical Environmental Services to perform PAH - SVOC 6270 analysis on 8 samples collected during the surface soil sampling event. Samples have a 3 day turn around requested.

*[Signature]*  
8/29/08

Scale: 1 square=

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